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DAHLIAS

OF
QUALITY AND DISTINCTION

DAHLIADEL
NURSERIES
WARREN W. MAYTROTT

VINELAND.
N.J.

1932

POTATOED
DAHLIAS



INFORMAL DECORATIVE

DWIGHT W. MORROW

DESCRIPTION ON PAGE 23



BOOK OF POTASH-FED DAHLIAS

By this time you know what potash-fed dahlias are. We thoroughly enjoy your letters and photographs describing and showing your success in growing them, and we appreciate any suggestions for our cultural instructions or classification. The wonderful comments on our catalog and stock make us feel that our work is appreciated and we hope you will enjoy this edition more than usual, as we have tried to make our cultural instructions cover a wider scope and be more explicit with the use of drawings on pruning and disbudding.

One of the services rendered by Dahliadel is recommending varieties that will give you the most pleasure. To do this it is necessary for us to grow varieties from all parts of the world. From this collection we have selected what we consider best and cataloged in the usual way.

A second class, which we consider temperamental, doing well in some sections and responding to certain climatic conditions, but not giving universal satisfaction, is listed in small type. As a further explanation, these varieties are not condemned, but have not come up to the high standard we have set for our **Potash-Fed Dahlia Family**. Dahliadel recommendations stand out unmistakably throughout the catalog in bold type as one great family of **Potash-Fed Dahlias**.

You will find additional varieties listed in the index without page or folio for those who know the varieties they want.

Dahliadel grown plants from originators' stock, found on pages 3 and 5, are varieties we have not grown at Dahliadel, but we believe are the best of the new introductions. We are, therefore, offering plants which we have grown from originators' stock.

Drawings for Pruning and Disbudding—On page 33 you will find Drawings X, Y and Z, which will give you the three recommended systems of pinching out and disbudding dahlias that we have found successful. In the index you will find a key letter following each variety just ahead of the price which will tell you which of the three systems we would recommend for that variety. These recommendations will have to be varied with different climatic conditions. Farther north less topping is needed, while in the south more topping and pruning are required.

You will find other changes in Dahliadel catalog, and we hope they will help you in selecting varieties. The number directly following the originator's name is our score of that dahlia, not copied from any trial grounds, but scored as the variety does for us at Vineland, N. J., grown in various types of soil under different methods of topping and pruning, scoring down for such weaknesses as late blooming, not standing August heat, sporting open centres, also scoring hard on foliage being susceptible to ravages of Thrips and Leaf Hoppers. Following is the score card used:

EXHIBITION	CUT FLOWER
15 Color	15 Clean - Attractive - Useful
15 Form	10 Artistic - Uniform - True
15 Size	10 Diameter x Depth
20 Stem	20 Strong - Erect - Not clumsy
20 Foliage	20 Healthy Insect resistant
10 Substance	15 Back good - Petals tight
Floriferousness	10 Blooming ability
5 Distinctive in	Form or Color
100 Total Score	100 Bush height Ft

The letters, c g e, classifying the dahlia to its use: (c) Cut flowers—suitable for the florist, or for cutting for baskets, bouquets and decoration. Qualifications are good keepers with tight petals of suitable form and colors, on good stems. Keeping qualities have preference over size. (g) Garden varieties—suitable for landscape work, borders, beds and mass planting, free and early bloomers of showy colors. (e) Exhibition varieties—winners on the exhibition table, having qualities that score high in competitive judging, size, form, stem and color predominating.



MYRA HOWARD

1932 INTRODUCTIONS

DahliaDel Plants Grown from Originators' Stock

MYRA HOWARD (Glutzbeck-DahliaDel 89), **ID, 1932, c g e.** A dahlia we are proud to introduce, as we believe it to be one of the very best of the '32 Introductions. The color is a glowing combination of saffron yellow and gold with tints of salmon, the entire effect being ochreous orange. Throughout the deep flower are petaloïds, which give it distinction in both form and color. A wonderful plant and a thrifty grower, producing giant blooms freely on long, rigid stems. Not only did this dahlia win the American Home Achievement Medal as a seedling in the American Dahlia Society Show in New York, but also won as best buff or orange and best ten blooms, open to all, in the Rockville Centre, N. Y., Dahlia Show. Here is a new and attractive introduction well proven before being disseminated; one which we unhesitatingly recommend as being worthy of the most particular dahlia lover. If you desire a sensation in your garden and a winner for the showroom, secure Myra Howard. **Plants only, \$7.50**

AMERICAN LEGION (Nuneviller), **1932, Bloom 12 x 7.** Winner at Atlantic City of the American Home Sweepstakes Medal, The Auditorium Gold Medal for the best undisseminated seedling and The Honorary President's Gold Medal given by Mrs. Charles H. Stout for the best seedling of Jersey origin. In Camden it won in the largest bloom class. After all this, it is a big artistic clear yellow on good stems, somewhat similar to Aztec Glory. This dahlia is classified by the originator as a semi-cactus, but we believe it will qualify best in the Informal Decorative Class. **Plants, \$7.50**

FLOYD GIBBONS (Veile and Mendham), **ID, 1932, g e, Bloom 11 x 6, Bush 4 ft.** The color is a bronze with a great deal of life to it, and not the dullness that that color usually suggests. It has everything that the modern dahlia should have: size, unusual depth, fine stems, is a profuse bloomer and an exceptionally clean grower. Won at Asbury Park for best undisseminated seedling and at Trenton for the best dahlia originated outside of New Jersey and is in the 1932 Honor Roll. **Roots, \$10.00; Plants, \$5.00**

GIRL OF HILLCREST (Scott-Kemp), **1932, c g, Bloom 10 x 4, Bush 6 ft.** This excellent dahlia is classified as an Informal Decorative, but at times it is almost a Semi-Cactus. Flowers are artistic and well formed. Color, bright apricot buff; also described as a Mikado orange. Plants are very vigorous growers. Stems long and erect. In all, it is a very fine variety. **Roots, \$10.00; Plants, \$5.00**

JEAN KEEFER (Keefer-Kemp), **1932, c g e, Bloom 8 x 7, Bush 7½ ft.** This Informal Decorative attracted our attention as a winner in the Undisseminated Seedling Class in Atlantic City and again in the Seedling Class at Baltimore. It was originated by Dr. Keefer and named for his little daughter, Jean. You will like the large flowers, which are held on erect but slender stems. The unusual coloring is a bright rose pink shading to a silver and bright mauve at the tips of the long petals. It is a good healthy grower and is very prolific. A. D. S. Cert., scoring 85. **Roots, \$10.00; Plants, \$5.00**

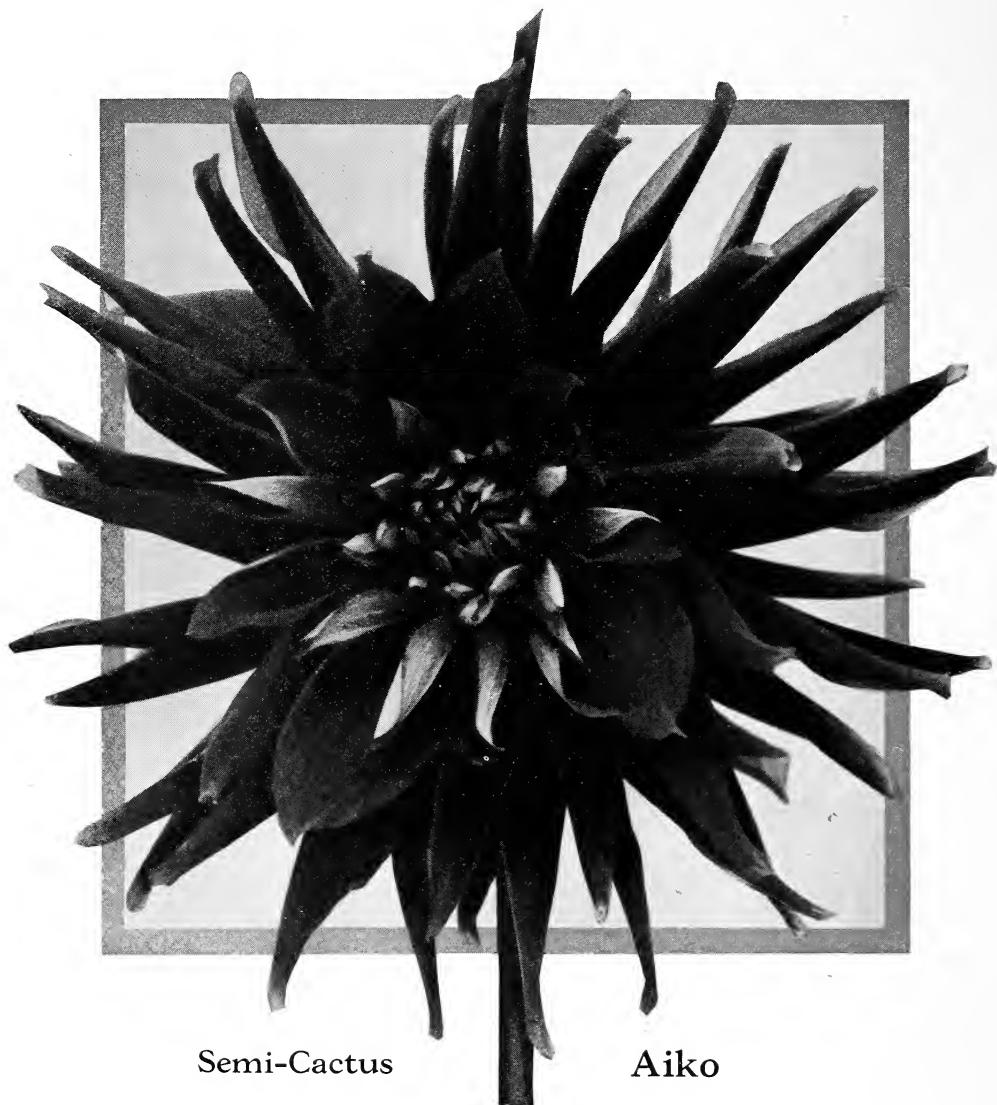
KENTUCKY RED (White), **ID, 1932.** A vivid scarlet red dahlia that will not burn nor fade. It would make a splendid addition to your collection. The attractive and insect-resistant foliage of this variety adds to its beauty. Stems are upright and erect. Scored 85 at Storrs, 1931. **Roots, \$10.00; Plants, \$5.00**

MARYLAND ORANGE (Maryland D. G.), **S-C, 1932, c g e.** Won first in the Undisseminated Seedling Class in Camden in a well-entered class. A bright orange that will attract much attention. Good commercial color and type. **Plants only, \$5.00**

RAY WARNER (Peacock), **1932, c g e, Bloom 8 x 5, Bush 4 ft.** Can you imagine an Informal Decorative with long, pointed and twisted petals, on good stems, with low-branching bushes that need very little tying up, in a pink at least two shades brighter than Jersey's Beauty? Centres always full, very early to bloom and a mass of color when not disbudded. Sure to become a favorite. **Plants only, \$5.00**



DAHLIADEL NURSERIES



Semi-Cactus

Aiko

DahliaDel 1932 Introduction

AIKO (DahliaDel 85), 1932, *g e*, *Bloom 10 x 4½, Bush 4½ ft.* This dahlia has been given the Japanese name "Aiko" (pronounced I'ko), as its color and form suggest the Orient. The public today wants something different, and we have it in this new spectacular Semi-Cactus. It is large and striking in color. Cardinal or deep carmine, with a silver reverse showing at the centre and tips, make it unusual. Bushes are strong, open growers. This dahlia occasionally throws a flower off form, which is easily forgotten in comparison to the number of perfect blooms, and we believe it will give you the satisfaction it has given us.

Plants only, \$5.00



1932 INTRODUCTIONS—Continued

ROTARY (Cottam), **ID, 1932.** Named at the American Dahlia Society Show in New York on Rotary Day. Bi-color dahlias are always attractive, and this one is particularly appealing, as it is a bright cardinal red with distinct triangular white tips, uniform in markings. Rotary is a thrifty grower and a fine garden flower.

Roots, \$10.00; Plants, \$5.00

“SONNY” MASSON (Veile and Mendham), **1932, c g e, Bloom 10 x 4, Bush 5 ft.** Described as an intense red with a suggestion of gold. The Informal Decorative flowers are large and deep, held on strong stems. Foliage thick and leathery. In all, a dahlia that should be very satisfactory, and take its place among the best of the reds.

Roots, \$10.00; Plants, \$5.00

THE COMMODORE (Scott-Kemp), **ID, 1932, g e, Bloom 12 x 5, Bush 4 ft.** A nice clean-growing, bright lemon yellow that won the American Home Achievement Medal at Baltimore. Also best undisseminated seedling at Red Bank. The stems are long and erect and form is pleasing.

Roots, \$10.00; Plants, \$5.00

NEW VARIETIES

DahliaDel Plants Grown from Originators' Stock

DORIS FELLOWS (Fellows), **FD, 1931.** This new dahlia is a good grower, with large and perfectly formed blooms of pale yellow, shaded to salmon at the tips of the petals, held on stiff stems.

Plants only, \$2.00

GRAF ZEPPELIN (Nolet), **FD, c g e, Bloom 8 x 4, Bush 6 ft.** One of the strongest-growing white dahlias we know of. Flowers uniform in formation, with centres full. Stems long and erect. A very satisfactory and popular variety.

Plants only, \$2.50

KROON JEWEL, C, Bloom 6 x 3, Bush 5 ft. Color, rich golden bronze. An early and free bloomer, with the beautifully formed flowers held well above the foliage on long, slender, stiff stems. One of the best of its color, and especially fine for garden and cutting, and useful for arrangements.

Roots, \$1.50; Plants, .75

MRS. JOS. HURLEY (Hurley), **ID, g e.** A rather unusual dahlia. Color, scarlet, edged light purple, with a gold suffusion at the base of the petals. Flowers are uniform and of deep formation. In all, an attractive dahlia.

Roots, \$5.00; Plants, \$2.50

MY RIO RITA (Fellows), **1931, Bloom 10 x 4, Bush 7 ft.** This new Informal Decorative was awarded the A. D. S. Cert. in 1930, receiving the second highest score of that year. The color is a bronze buff, with large blooms on stems that are very long and stiff, holding the large blooms high above the foliage. Plant grows tall and stately. A beautiful dahlia of much merit.

Plants only, \$3.75

PANSY G. WHITE (White), **S-C, 1931, c g e, Bloom 8 x 3, Bush 6½ ft.** A strong, rugged bush, especially so for a yellow dahlia, with long, erect stems. Blooms are uniform and of good substance. Color, clear canary yellow.

Roots, \$7.50; Plants, \$3.75

PRINCE OF PERSIA (Newsom), **ID, 1931, g e, Bloom 11 x 6, Bush 7 ft.** A very striking bright red exhibition dahlia of the most iridescent rich-glowing crimson. The petals are of great depth and substance, making an unusually deep, attractive flower. Bush is vigorous, robust and very tall. This dahlia should be very popular, as its traits all seem to be good.

Plants only, \$5.00



DAHLIA DEL NURSERIES



ROW OF THOMAS EDISON DAHLIA

POTASH FED DAHLIAS

"Potash Fed Dahlias" is not a secret or just a trade name, but a modern method of growing dahlias so that they are literally alive with energy, making failure well-nigh impossible. Our whole object in producing such stock is so that you may reap the harvest of blooms, and our cultural directions in the center of the catalog are to aid you in growing them successfully.

The application of Potash *in combination with the other elements necessary for proper plant growth (See Fertilizer)*, accompanied with the following conditions, will produce Potash Fed Dahlias.

First: Cultivation to aerate and sweeten the soil to keep the plant in a steady, healthy, growing condition. See Cultivating.

Second: Watering when necessary to make and keep the plant food available at all times. See Irrigation.

Third: Most important of all is the health of the stock from which your plants or roots were grown. This condition has its direct effect on the results obtained, for an unhealthy plant, whether stunted or diseased, cannot take up potash or any other element of plant food in sufficient quantities while in this debilitated condition. Hence, unhealthy or diseased plants cannot be "Potash Fed" even if grown in the midst of plenty.

If we were to say "Corn Fed Pork," at once we would see the pig eating corn, but when we say "Potash Fed Dahlias," it is hard to visualize a dahlia feeding on potash, as it is something we cannot see. It is necessary to have the right food available when it is needed, and the animal or plant must be in a healthy state to make proper use of the food and give the results you are looking for.



FORMAL DECORATIVE DAHLIA

THOMAS A. EDISON (DahliaDel 87), 1930, *g e, Bloom 9 x 4, Bush 4 ft.* This gorgeous dahlia, selected and named by permission of the famous electrical wizard, has had its good share of winnings the past season in the West as well as in the East. In the garden it is impressive with its staghorn petal formation, the large, dark green, insect-resistant foliage, the cane-stiff stems, the thrifty growth, and greatest of all, that color, found in no other dahlia, which is as hard to describe as to reproduce in color. It may be described as a royal purple. Received A. D. S. Certificate in 1929 and was recommended for Certificate, D. S. of N. J., 1930. This dahlia is a slow grower and will therefore stand fairly good culture with safety, and should not be topped back, but handled according to Drawing Z. We are confident it will please you.

Roots, \$5.00; Plants, \$2.50

AWARD OF MERIT, HOLLAND TRIAL GROUNDS, HAARLEM, HOLLAND, 1931.

DAHLIA ROOTS OR TUBERS

It has been common practice to call dahlia roots, tubers. This is not correct botanically, as a tuber is a thickened or fleshy portion of underground stem having eyes or buds, from which new plants are produced, such as the potato; while a root does not contain eyes or buds. In the case of the dahlia, we really have a tuberous root with eyes on the crown and not on the true root itself. New varieties or species of plants grown from roots, not tubers, are patentable under the new plant patent act. This makes it necessary to call a dahlia root by its correct name.



DISPLAY AT THE NEW YORK EXPOSITION—THE FIRST ELECTRIC BULB—THE DAHLIA NAMED IN HIS HONOR—AND AN OIL PAINTING OF MR. EDISON



DAHLIADEL NURSERIES



Incurred
Cactus Dahlias

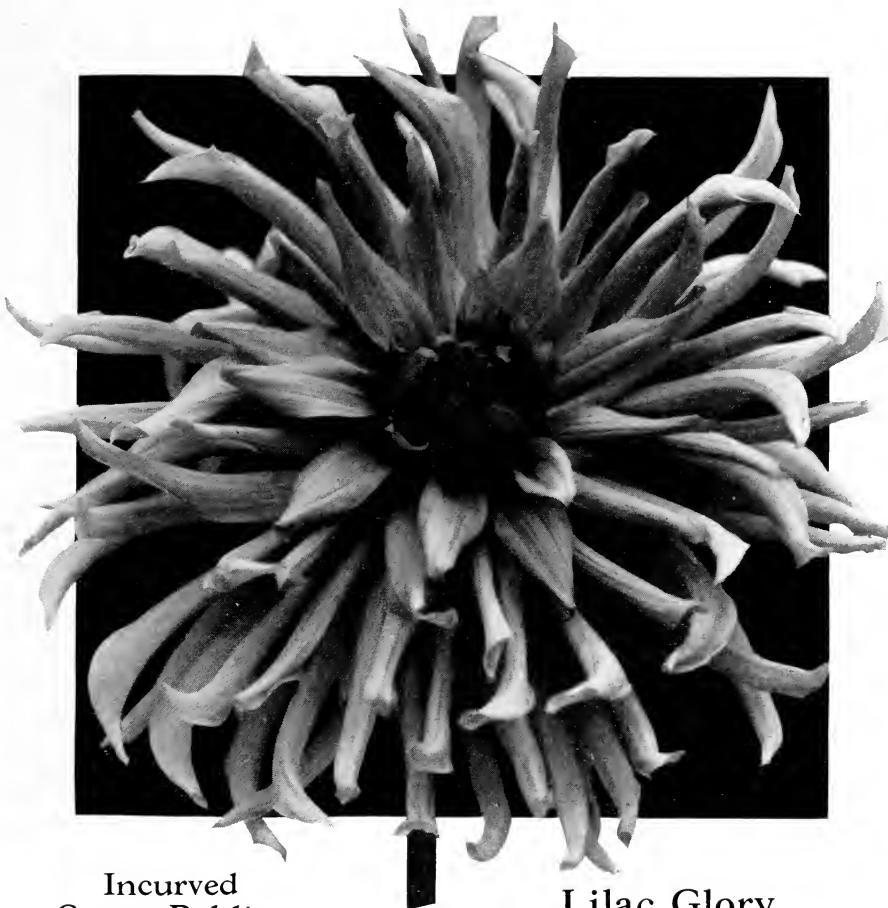
Sport

SPORT (Dahlia Del 82), *g e, Bloom 8 x 3 1/2, Bush 5 1/2 ft.* As its name indicates, it is a sport of F. W. Fellows with all its merits, but a pleasing shade of deep buttercup yellow with buff shadings at centre. This variety has never reverted to its parent. A wonderful exhibition flower and a favorite in the garden. .75

AMERICAN TRIUMPH (Nuneviller 85), 1930, *c g e, Bloom 8 x 4, Bush 5 ft.* Color, oriental or bright, clear red. Blooms, with high, full centres, are held rigid on long, straight stems. Petals are decidedly incurved. Good garden and exhibition flower, as it is an exceptionally good keeper. Winner of the American Home Achievement Medal at New York 1929. Susceptible to thrip and leaf-hopper injury, but is well worth your effort when sprayed or dusted. Roots, \$2.50; Plants, \$1.25

BALLET GIRL (Boston 78), *g e, Bloom 8 x 3 1/2, Bush 4 1/2 ft.* Beautiful flowers of immense size. Color, orange, tipped white. Some flowers pure orange, with other variations on same bush. Early and free bloomer. .75

F. W. FELLOWS (Stredwick 80), *g e, Bloom 8 x 3 1/2, Bush 5 1/2 ft.* Still a favorite on the exhibition table. Flowers are of an ideal cactus form. Color, lively orange scarlet. Plants, .50



**Incurred
Cactus Dahlias**

Lilac Glory

LILAC GLORY (Ballego), *g e*, *Bloom 6 x 2 1/2, Bush 4 1/2 ft.* One of the prettiest cactus dahlias we know of. Color, soft violet rose with silver shadings. Stems are slender but strong and erect, making it ideal for baskets and arrangements. Blooms early and continuously. The more you cut the more it produces. **Roots, \$2.00; Plants, \$1.00**

COKKIE CARLEE (Carlee), *C, c g*, *Bloom 6 x 3.* Beautifully formed, with incurved petals. Color, clear canary yellow. Stems long and erect. **Roots, \$1.00; Plants, .50**

CONSERVATRIX (84), *c g e*, *Bloom 8 x 3 1/2, Bush 4 1/2 ft.* One of those artistic, incurved cactus dahlias on long, erect stems. An early, free bloomer of good size and form. Color, bright geranium red. Bush and foliage very satisfactory. **Plants only, \$1.50**

Recommendations for the Show Room

It is my belief that the incurved cactus, the recurved and straight-petaled cactus should be combined in the same class, for, separated, there is contention in judging and afterwards. In other words, have Cactus and Semi-Cactus Classes only. Would also like to suggest a few substantial color classes for Pompons, which will make the classes more interesting and give other varieties than Little Edith a chance. Above all, don't forget some classes for the miniatures.



DAHLIADEL NURSERIES



Recurved and Straight
Cactus Dahlias

Golden Sonne

GOLDEN SONNE (De Wilde 85), *c g e*, *Bloom 7 x 4, Bush 3 ft.* This variety is one of the very best commercial cactus dahlias grown. It not only gives you a quantity of early blooms suitable for most any use, but continues throughout the season. Flowers are of medium size on excellent stems and keep wonderfully well either on the bush or when cut. Color, clear golden yellow, shading to soft salmon rose on the outside petals. A dahlia we can heartily recommend.

Roots, \$1.50; Plants, .75

AMBASSADOR (Broomall 85), *c g e*, *Bloom 8 x 4, Bush 5 ft.* This fine flower is very popular at the dahlia shows. Color, soft yellow buff, shaded salmon pink. Well-formed flowers, held erect above the foliage. Bushes branch readily and produce a multitude of flowers.

Plants, .50

ANDREAS HOFER (Holland 80), *c g*, *Bloom 6 x 3, Bush 4½ ft.* Ideal form with narrow petals of a delicate pink with salmon suffusion, passing to a creamy white centre. A free bloomer on long, stiff, wiry stems.

.50

CALIFORNIA BEAUTY (Broomall 81), *c g e*, *Bloom 7 x 3½, Bush 4½ ft.* A pure copper in color. We have found this variety to be one of the best keepers as a cut flower, and we have never had enough for the market. Bush growth and stem excellent.

.50

ELLA MAY (Prentice-Dahliadel 85), *g e*, *Bloom 7 x 5, Bush 5 ft.* This dahlia offers you a true cactus dahlia with a real good stem. Flowers are large and deep, with full centres, suitable for exhibition or landscape work. Color, deep, rich crimson carmine, dark and yet rich. Bush is a good open grower. A dahlia that is decidedly distinctive.

Roots, \$1.00; Plants, .50

IAN (Boston 80), *g e*, *Bloom 8 x 4, Bush 5 ft.* Color, very clear yellow, gradually shading to pink on the outer petals, while reverse of these petals reveals a golden suffusion. Flowers occasionally show a white tipping. Blooms freely on good stems.

.75



Semi-Cactus Dahlias

Frau O. Bracht

FRAU O. BRACHT (Berger 88), *c g e*, *Bloom 8 x 4, Bush 5 ft.* We believe this fine dahlia will win a host of friends in this country. It is a wonderful cut flower as well as a great prize winner at the shows. A clean-cut, straight-petaled cactus of a clear, light primrose yellow, keeping well and holding blooms on fine stems. A. D. S. Cert., 1929. It is just about the prettiest yellow cactus dahlia you can wish for. Roots, \$3.00; Plants, \$1.50

ADDA PATTERSON (Kemp 82), *c g e*, *Bloom 8 x 4, Bush 6½ ft.* We believe it to be the best pure white of its type. Flowers are large, of a splendid, even form, on long, erect stems. A wonderful exhibition variety on account of its keeping qualities, along with its size, stem and form. Roots, \$1.00; Plants, .50

C. B. GITHENS (Peacock 80), *c g e*, *Bloom 7 x 3½, Bush 5½ ft.* A clear yellow cactus, producing well-formed flowers of good substance and keeping qualities on long, slender but stiff stems. Valuable as a cut flower. .50

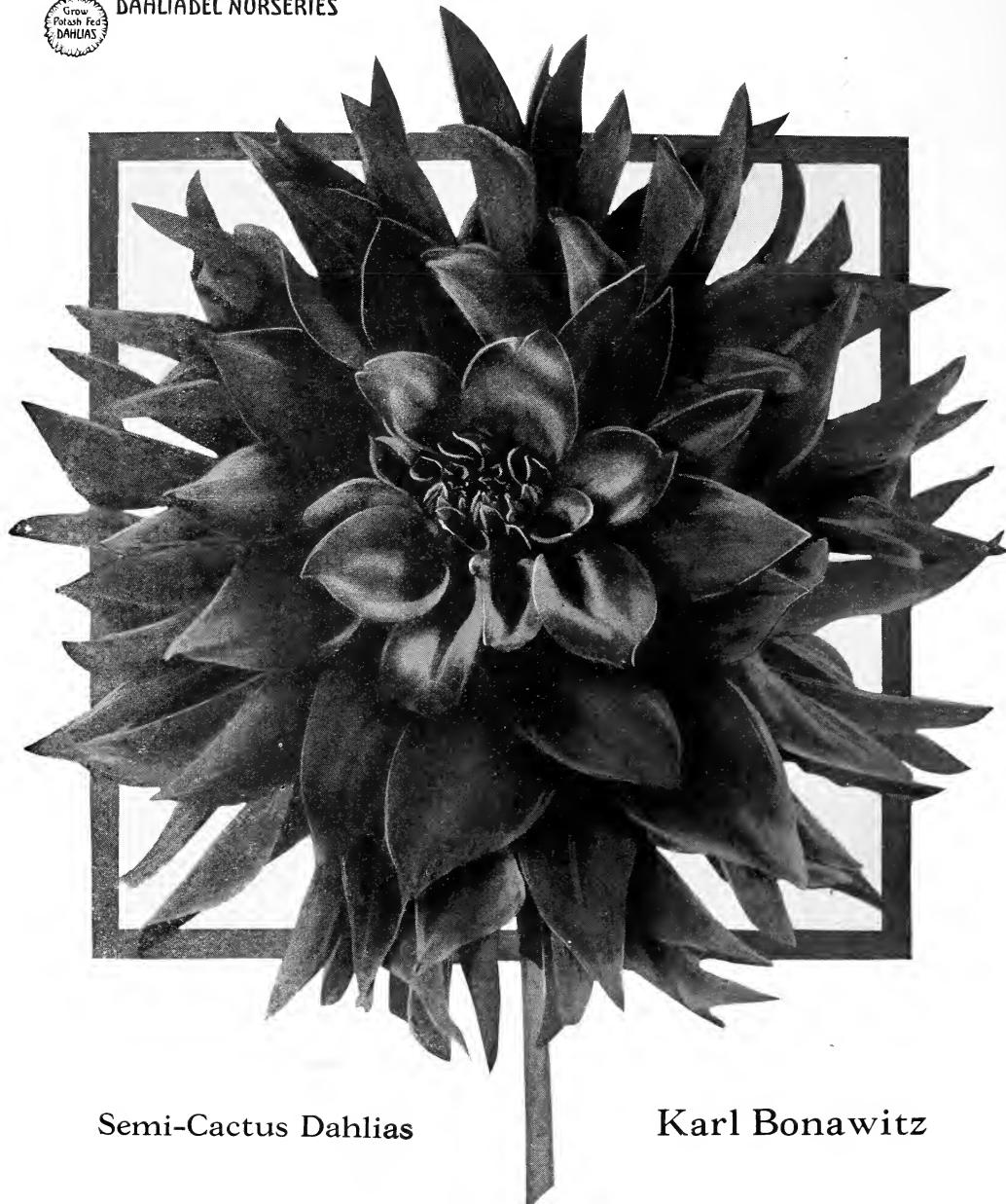
FAIR ELAINE (Ballay 82), 1929, *g e*, *Bloom 9 x 3, Bush 6 ft.* This dahlia may be described as an improved Nibelungenhort. Delicate old rose with golden illumination. Numerous branches produce quantities of well-formed blooms. Roots, \$2.50; Plants, \$1.25

KALIF (G. & K. 83), *g e*, *Bloom 9 x 4, Bush 5 ft.* Color, rich strawberry red or carmine. The mammoth flowers are borne in great profusion. An old favorite and a good cut flower. Base of petals broader than illustration. .50

MARIAN BROOMALL (Broomall 85), *g e*, *Bloom 10 x 4½, Bush 5½ ft.* A truly beautiful dahlia. Color, clear violet rose, shading lighter at tips, with white centre. Bush growth and stems very good. A dahlia you will like. Good exhibition variety. Roots, \$1.00; Plants, .50



DAHLIADEL NURSERIES



Semi-Cactus Dahlias

Karl Bonawitz

KARL BONAWITZ (Dahliadel 86), 1931, *g e, Bloom 8 x 5, Bush 6 ft.* Chosen by and named for the noted organist, who was playing in Atlantic City during the First Flower and Garden Pageant. Reports of this dahlia prove its ability to make good in all parts of the country, and in nearly all cases it has gone far beyond expectations. We just know you will like it. The entire makeup of this dahlia will appeal to the artistic. It has sufficient size to assert itself, while the form, color and keeping qualities make it graceful as well as useful. It comes the nearest to developing a perfect bush without topping or disbudding of any dahlia we know, just naturally branches and produces perfect and uniform blooms on long, erect stems. It responds, however, to disbudding (as shown in Drawing X or Z) and will give you stems up to 4 feet in length. Color is a brilliant velvety carmine. This variety was featured by us in four of the big eastern shows, where it was greatly admired and was one of our best keepers.

Roots, \$7.50; Plants, \$3.75



SEMI-CACTUS DAHLIAS—Continued

ALICE WHITTIER (Success 82), *g e, Bloom 10 x 5, Bush 6 ft.* Color, primrose yellow. This dahlia is still good on the exhibition table. A good grower on good stems. A D. S. and D. S. of N. J. Cert.

Roots, \$1.00; Plants, .50

A. LINCOLN (Peacock 84), *1930, c g e, Bloom 8 x 4, Bush 5 ft.* A very satisfactory red cactus, especially good early in the season. Color, bright spectrum red with a rose reflex. It is a healthy grower, with fine long, slender but strong stems. Should prove very satisfactory where growing season is short.

Roots, \$2.50; Plants, \$1.25

EDNA FERBER (F. & M. 85), *c g e, Bloom 9 x 4, Bush 5 ft.* The extreme size and beauty of this flower attract attention wherever shown. The petals are curled and twisted, forming an extremely full flower, held erect on fine stems. Color, glistening coral, shading to old gold at base of petals. A good, strong grower, with dark green foliage. D. S. of N. J. Cert.

Roots, \$1.50; Plants, .75

JEAN TRIMBEE (Trimbee 85), *1930, g e, Bloom*

10 x 5, Bush 5 ft. A dahlia that is classified as a Semi-Cactus, but really should be in the Informal Decorative Class, out of fairness to the former class. The petals are heavy, and not only are they revolute, but they curl and twist, making a massive yet artistic flower of a beautiful petunia violet. Strong, vigorous grower.

Roots, \$7.50; Plants, \$3.75

ORIENTAL BEAUTY (Barker), *1930, c g e, Bloom*

7 x 4, Bush 6 ft. This variety has won considerable in the East. The color is a bright rose pink of a slightly deeper tone than Delice. Petals gracefully curl and twist, making in all a very artistic and useful flower. Produced over a long season on strong, rugged bushes.

Plants only, \$1.50

RUDY VALLEE (Broomall-Success 88), *1931, c g e,*

Bloom 12 x 6, Bush 5 ft. One of the finest dahlias of recent introduction. It has size, beauty, keeping qualities and is very attractive. Centres chrome yellow, gradually shading to orange and reddish apricot. Flowers are full centred and are held well above the clean-cut foliage on long, straight stems. Growth vigorous. A magnificent dahlia that you should have, scoring 86 points. A. D. S. Cert. We can recommend this dahlia to those who want the very best there is.

Plants only, \$5.00

SUNKISS (Yezek 82), *c g, Bloom 8 x 4, Bush 5 1/2 ft.*

A truly pastel combination of straw yellow with a heavy fawn suffusion on the outer edge. A free and early bloomer on fine stems, making it desirable for cutting.

.75

YOSEMITE (Redfern 82), *1930, g e, Bloom 8 x 4,*

Bush 5 ft. The form of this dahlia is very similar to the illustration of Karl Bonawitz. The blooms are a clear amaranth pink and are held on strong, erect stems. Its artistic form and beautiful coloring make it very desirable.

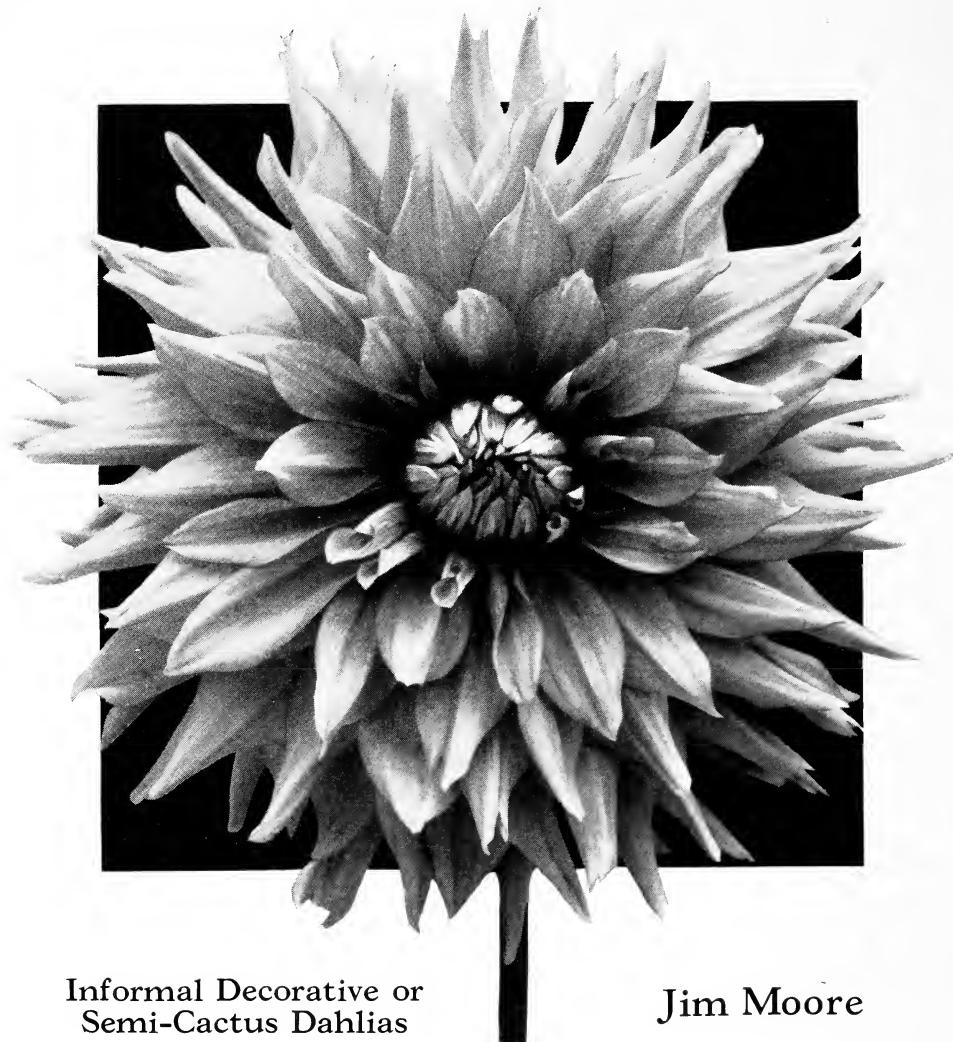
Roots, \$5.00; Plants, \$2.50



Treasure Island—Karl Bonawitz



DAHLIADEL NURSERIES



Informal Decorative or Semi-Cactus Dahlias

Jim Moore

JIM MOORE (Loller 86), 1930, *c g e*, *Bloom 10 x 4, Bush 5½ ft.* A dahlia worthy of space in anyone's garden. It is distinctive in form and color. The petals are long and regular, rolling back at tips, while the color is a primrose yellow shaded gold and suffused salmon. A good healthy grower.

Roots, \$4.00; Plants, \$2.00

CITY OF NEW YORK (Harding 84), 1929, *g e*, *Bloom 10 x 5, Bush 4½ ft.* A very attractive and distinctive dahlia. Color, pale golden amber at centre, softly overshaded light salmon passing to a rich salmon rose on the edges of the petals. This unusual coloring, along with its graceful form, good-keeping qualities, and growing habits make it very desirable.

Roots, \$2.50; Plants, \$1.25

EAGLE ROCK WONDER (Broomall-Success 80), 1930, *g e*, *Bloom 11 x 5, Bush 5 ft.* A massive dahlia that has been winning in the largest bloom classes. Color, Mars orange, flushed with gold and salmon. It sometimes forms buds on the back of the flowers, but these can be easily removed when disbudding. A rank grower and late bloomer, therefore only good where season is long.

Roots, \$7.50; Plants, \$3.75

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DAHLIADEL NURSERIES

WARREN W. MAYTROTT
VINELAND, N.J.

THE HOME OF GOOD DAHLIAS WELL GROWN

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		2				
		3				
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QUANTITY	NAME OF VARIETY OR ARTICLE WANTED		PRICE EACH DOZ. OR C.	EXTEND AMOUNT HERE
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SOME OF YOUR FRIENDS INTERESTED IN DAHLIAS WILL SURELY BE GLAD TO RECEIVE OUR CATALOG. DO THEM A FAVOR BY WRITING THEIR NAMES AND ADDRESSES BELOW. THANK YOU.

NAME	STREET	POST OFFICE	STATE



INFORMAL DECORATIVE OR SEMI-CACTUS DAHLIAS—Continued

EARLY YELLOW, *Bloom 4 x 2, Bush 4½ ft.* A good cutting variety of bright lemon yellow of artistic formation, lending itself wonderfully for table and small decorations or as a filler with larger flowers. Very prolific, with good long, slender but stiff stems.

Roots, \$1.50; Plants, .75

EMMA MARIE (DahliaDel 83), *c g e, Bloom 7½ x 3, Bush 6 ft.* A favorite because of its pleasing shade of clear pink with a creamy white centre and its combination of exhibition and commercial qualities. It is a robust grower, producing deep, full-centred blooms on three to four foot stems in ordinary field culture.

Roots, .75; Plants, .50

JERSEY'S SWEETHEART (Waite 82), *c g, Bloom 7 x 3½, Bush 3½ ft.* A dainty, attractive variety for cutting. Delice pink, shading to white in the centre. Flowers produced in great quantities on slender, stiff stems.

.75

JOSEPHINE G (Grosscross 86), 1930, *c g e, Bloom 8 x 4, Bush 4½ ft.* Awarded Certificate of Merit at Storrs, 1929, and is one of the most charming of the late introductions. Color is a very pleasing true rose pink of a bright shade, some petals tipped yellow. It makes a wonderful sturdy bush, with flowers held well above the dense foliage. It is a prolific bloomer, and yet the flowers are of exhibition quality at the same time. It is a Semi-Cactus early and Informal Decorative at the end of the season.

Roots, \$5.00; Plants, \$2.50

LA RODA (Broomall 84), *c g e, Bloom 10 x 4, Bush 5 ft.* This beautiful variety is an unusual silver rose pink shading lighter at the centre with large, well-formed flowers held on strong stems. The formation is somewhat irregular, with numerous petals at the centre. A good keeper for cutting. It is a shy root maker, either from roots or green plants.

Roots, \$3.00; Plants, \$1.50

MINNIE EASTMAN (Eastman 85), 1929, *c g e, Bloom 8 x 4, Bush 6 ft.* This fine introduction has been a popular winner for the past three years. It is a very pretty semi-cactus of a bright flame color with undershading of deep yellow. Stems long and erect. Bush growth healthy, with smooth, glossy foliage.

Roots, \$2.50; Plants, \$1.25

SISKIYOU (Broomall 80), *g e, Bloom 10 x 3, Bush 3½ ft.* Here we have the dahlia that has won in the largest bloom class repeatedly, but on diameter, not considering depth. Flowers held erect on long, strong stems. Color, pink tinted mauve. Petals rather blunt and flat.

Roots, \$1.00; Plants, .50

SUMMERTIME (Hall 85), 1931, *g e, Bloom 10 x 4, Bush 4 ft.* A beautiful flower of clear golden yellow, of great depth and substance, held on strong stems. Bushes are of medium height, with thick, dark green leaves. We have in this variety a dahlia that will qualify as a Semi-Cactus at times and then change back to the Informal Decorative type.

Plants only, \$3.75

DOINGS OF THE A. D. S.

The American Dahlia Society, our National Organization, has set for its Show dates, the third week in September. We hope a definite action can be taken in January as to place and exact dates. Our past show in the Ball Room of the Hotel Commodore contained a number of very commendable displays both in the competitive and commercial classes. We solicit your co-operation to make our 1932 Show still finer than ever held before.

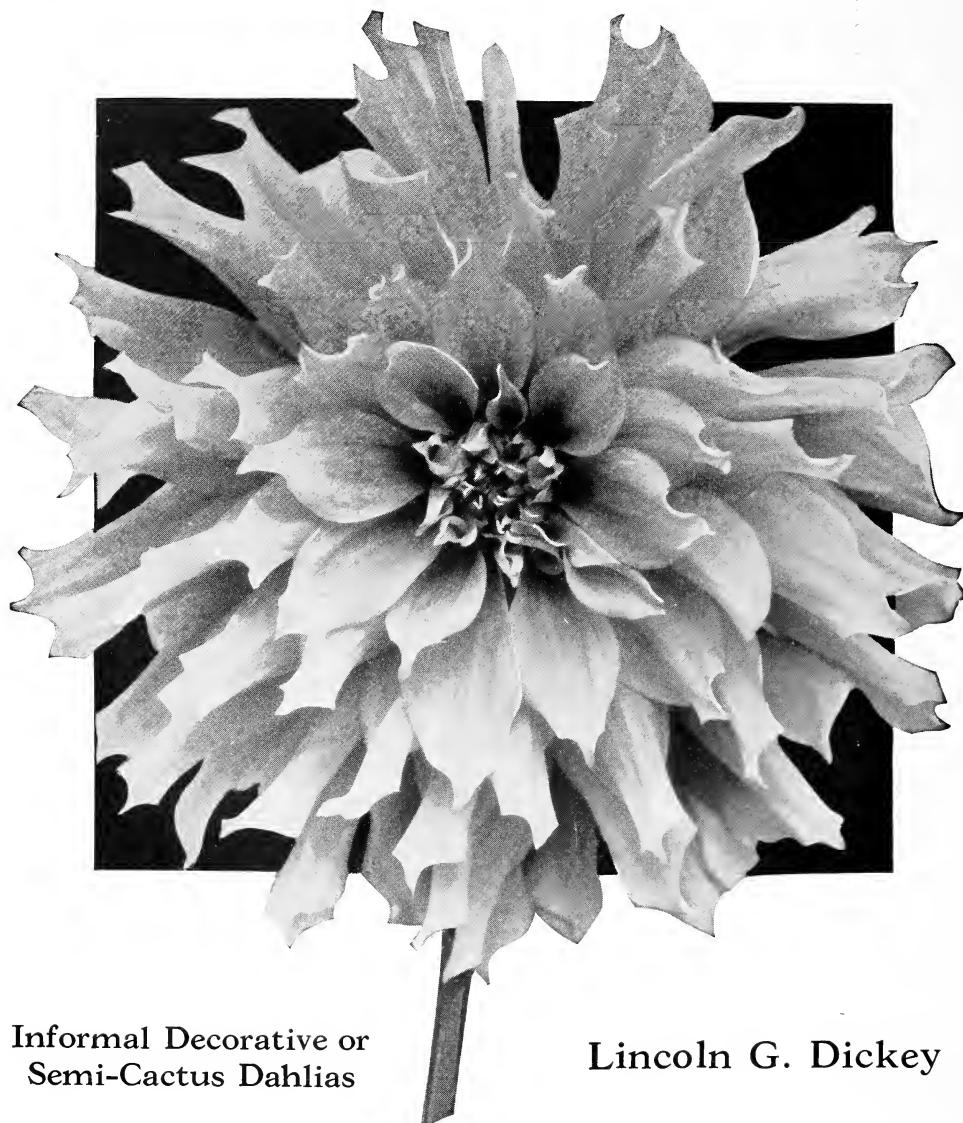
The A. D. S. membership is only \$2.00 a year, and the big quarterly bulletins are more than worth the dues. In them you will find much news and data of interest to all dahlia lovers which is found in no other publication. William J. Rathgeber, 198 Norton Street, New Haven, Conn., is our secretary.

The A. D. S. Trial Patch at Storrs, Conn., is under the supervision of Prof. Roland Patch, a very genial gentleman. This is where you send your seedlings to find out if they are good. The fee for each seedling is \$3.00. Three roots or plants are required. They will be judged by competent judges. Scores and descriptions are published in the January Bulletin and the stock returned to you. Just write Prof. Patch for entry blanks.

The new classification has worked very well in the big eastern shows the past two seasons as well as in a number of smaller shows. The revised classification published in this catalog has been adopted by the A. D. S. and we believe it not only covers present day needs but is a decided improvement for all concerned.



DAHLIADEL NURSERIES



Informal Decorative or
Semi-Cactus Dahlias

Lincoln G. Dickey

LINCOLN G. DICKEY (Dahliadel 85), 1931, *g e*, *Bloom 9 1/2 x 5, Bush 3 1/2 ft.* Here is about the most prolific producer of fine blooms it has ever been our good fortune to grow. Color, primrose yellow with a decided rose suffusion. Disbud it and the blooms will be immense, grow it naturally and they will be of good size in great quantities. One of the earliest to bloom and among the last to finish. The growing habits are ideal, making this dahlia really great, though not spectacular. Lincoln G. Dickey, named for the Manager of the Atlantic City Auditorium, will be grown when many more spectacular dahlias have passed on. Won first in Atlantic City in Semi-Cactus Seedling Class and has been recommended for Certificate at the New Jersey Dahlia Society Trial Grounds 1930.

Roots, \$5.00; Plants, \$2.50

DADDY BUTLER (Boston 80), *g e*, *Bloom 7 x 4, Bush 6 ft.* An early, profuse bloomer and good keeper on perfect stems. Color, rosy carmine, reverse of petals lighter. .50



INFORMAL DECORATIVE OR SEMI-CACTUS DAHLIAS—Continued

Lincoln G. Dickey as pictured is an Informal Decorative and was photographed late in the season. In the early season this variety will be a perfect Semi-Cactus. Other varieties listed below will also vary in type with the season.

EDEGEM (Topsvoort 80), **1929**, *c g e*, *Bloom 6 x 2½, Bush 3½ ft.* One of our imported varieties of sulphur yellow that is artistic in formation and on good stems. It is free and early and showy in the garden or useful for arrangements. **Roots, \$1.50; Plants, .75**

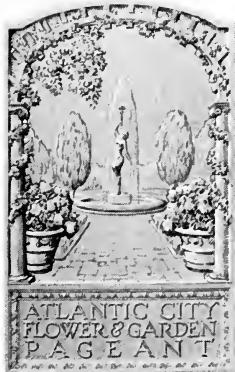
MRS. SWIFT (Swift 84), **1931**, *Bloom 8 x 4, Bush 4½ ft.* It is hard to get a bi-colored dahlia that is perfect. This variety is very spectacular and attractive, as it is a coppery orange, heavily tipped white, with a large percentage of the petals evenly marked. Blooms are of very good form. Petals curl and twist. Stems fairly strong.

Roots, \$4.00; Plants, \$2.00

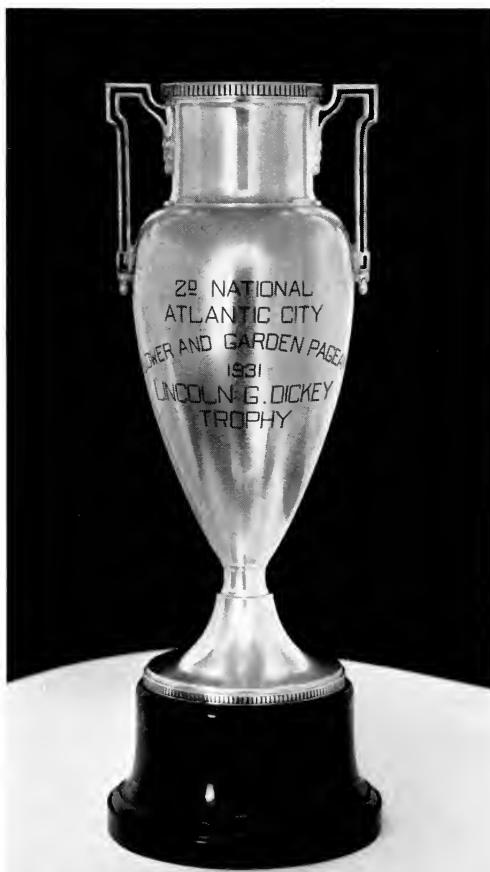
ROBERT E. LEE (Peacock 85), **1930**, *c g e*, *Bloom 8½ x 4, Bush 5 ft.* A rich red that does not fade is decidedly uncommon, and that is what attracts you to this dahlia, along with its good form, erect stems and free-blooming habits, making it an ideal cut flower and exhibition dahlia. To get stems for cutting follow Drawing Y. **Roots, \$5.00; Plants, \$2.50**



GOLD MEDAL



AUDITORIUM
SILVER MEDAL

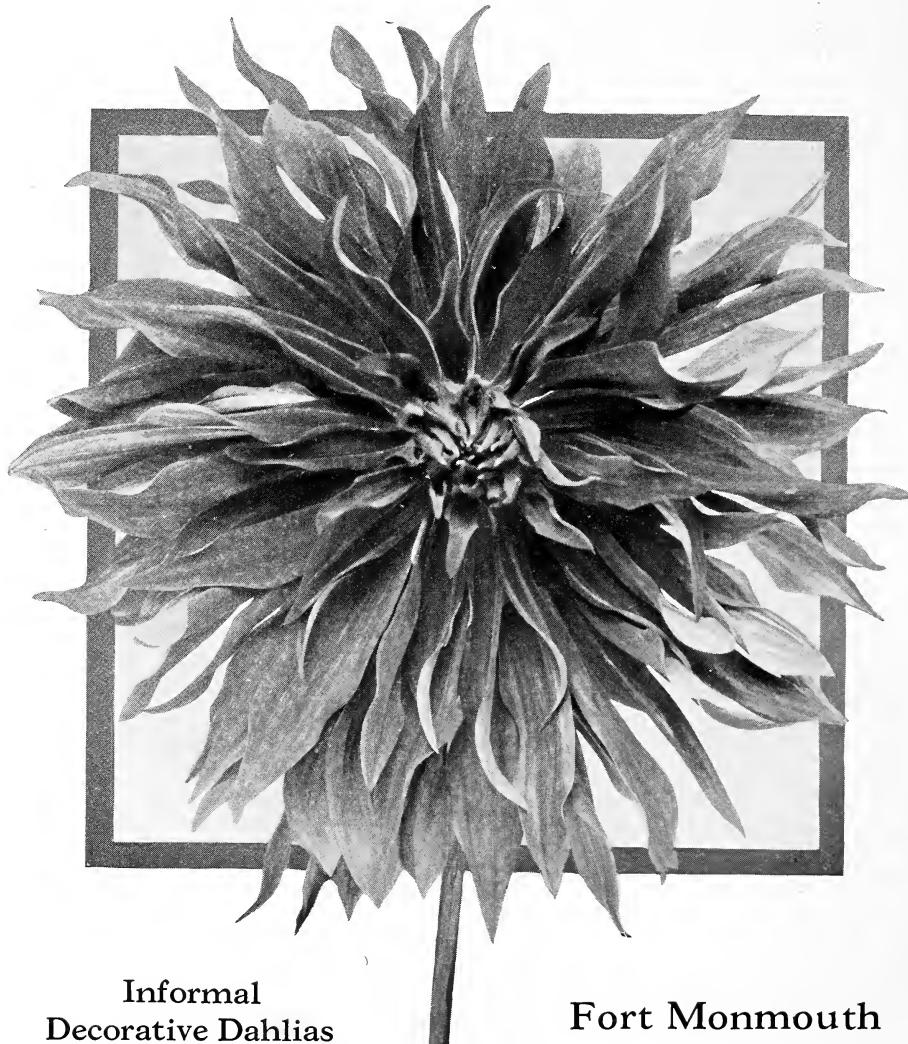


LINCOLN G. DICKEY TROPHY

PRIZES WON AT THE SECOND NATIONAL FLOWER AND GARDEN PAGEANT,
ATLANTIC CITY, 1931



DAHLIADEL NURSERIES



Informal
Decorative Dahlias

Fort Monmouth

FORT MONMOUTH (Kemp 86), *g e, Bloom 11 x 4, Bush 6 1/2 ft.* The predominating color is rich claret with brightness unusual in darker tones. Flowers are full centered and well formed, borne on long, stiff stems high above the foliage. A very prolific grower and bloomer. The new classification has changed this dahlia to the Informal Decorative Class, but it will continue as a winner.

Roots, \$2.50; Plants, \$1.25

ACHIEVEMENT (Ballay-Success 86), 1931, *g e, Bloom 10 x 5, Bush 6 ft.* An outstanding winner the past season and a very promising variety for the exhibition table in the future. This dahlia is truly great, as it is a robust grower, profuse bloomer, with artistic blooms on strong stems and has good keeping qualities. Golden yellow suffused with bronze and rose, giving a general tone of apricot a little brighter and deeper than Jane Cowl.

Roots, \$10.00; Plants, \$5.00

ANDREA ERICSON (F. & M. 85), 1931, *g e, Bloom 10 x 4, Bush, 5 ft.* The easiest way to describe this dahlia is to call it a white Fort Monmouth. It is somewhat heavier in petal formation, but very pleasing in form. Held on excellent stems, and should be very successful in the white class on the show table. In hot weather this dahlia needs shading to be grown to exhibition perfection.

Roots, \$7.50; Plants, \$3.75



INFORMAL DECORATIVE DAHLIAS—Continued

COQUETTE (F. & M. 84), *g e, Bloom 10 x 6, Bush 5 ft.* A very spectacular dahlia of Spanish coloring, bright red blending with gold. Petals twist and curl, showing the golden reflex. Blooms keep well if fully matured when cut. The heavy dark green foliage makes it insect-resistant. Free bloomer on long stems. Roots, \$2.00; Plants, \$1.00

THE THIRD NATIONAL ATLANTIC CITY FLOWER AND GARDEN SHOW

The third edition of America's Garden on Parade promises to be even finer than its predecessors, which have established a new standard for fall flower and garden shows. Over four acres of flowers and gardens will greet you in dazzling and beautiful array. Here will be presented most every type of garden and kind of flower available at this season. Classes are provided, without cost, in which all kinds of garden lovers may participate, with generous prizes as the reward. This show has attained in two years what other great shows have taken many years to do: namely, an array of the finest exhibits ever staged in America and a vast audience of visitors whose high class and standing cannot be surpassed. DahliaDel Nurseries cordially invite their customers to take part in this event as exhibitors, spectators or both. **PLAN AND PLANT FOR THIS GREAT EXHIBIT.** Additional information and prize schedule may be obtained from J. W. Johnston, Director, The Bourse, Philadelphia, Pa.



DahliaDel Display at the Second National Flower and Garden Pageant, Atlantic City, 1931, again won First Prize in the largest Trade Exhibit Class, which was The Lincoln G. Dickey Trophy, shown on page 17, and \$300 in cash; the Silver Medal of the Auditorium, in recognition of the display as a garden; and, finally, a much-coveted prize, the Gold Medal of the Dahlia Society of New Jersey, as a supreme award for the finest exhibit in the dahlia division in the show.



DAHLIADEL NURSERIES



Informal Decorative Dahlias

Derrill W. Hart

DERRILL W. HART (Broomall 85), 1929, *c g e*, *Bloom 10 x 4, Bush 6 ft.* Color, deep orange or copper, shading to henna brown. Has a wonderful stem, keeps well when cut, and is a free bloomer. It is a rapid grower, with heavy, dark foliage, and should be cut back severely during the hot weather.

Roots, \$3.00; Plants, \$1.50

ANNA MARIE (Wiegand 81), *g e*, *Bloom 6 x 3, Bush 6 ft.* This dahlia's popularity is due to its attractive coloring of old gold, suffused reddish salmon, distinctly tipped white. Flowers of good form on fine stems. This variety should be topped, as centre crown blooms are apt to have green centres, but lateral blooms come good until frost.

.75

COLOR SERGEANT (Hall 85), *c g e*, *Bloom 10 x 4, Bush 5½ ft.* This striking variety is very useful as a cut flower, for landscape effect, and on the exhibition table. Color is unusual, being a rich, deep salmon bronze of one shade. A strong, upright grower with perfect stems. D. S. of N. J. Cert.

Roots, \$2.00; Plants, \$1.00



INFORMAL DECORATIVE DAHLIAS—Continued

GOV. MORGAN F. LARSON (Hall 83), 1930, *g e*, *Bloom 9 x 4, Bush 6 ft.* Won Governor's Cup at Trenton in 1929 as Most Worthy Undisseminated Dahlia. Also won as best yellow, cream or buff at Camden, 1929. Color, clear golden yellow with slight apricot blush on reverse. A sturdy plant of medium to tall growth. Roots, \$5.00; Plants, \$2.50

GRANDOLA (Broomall 81), *g e*, *Bloom 9 x 4, Bush 6 1/2 ft.* This dahlia is very attractive, its color being a brilliant golden orange. The blooms are of good size held erect on fine stems, making a very desirable dahlia. .75

HARRIET HOCTOR (Alling 85), 1931, *g e*, *Bloom 10 x 4, Bush 5 ft.* A dahlia that proved very satisfactory for us the past season. It has wonderful size and color. The stems tip a little in the extreme heat with the weight of the flower, but is certainly fine when conditions are favorable. Color, bright mauve with magenta shadings, giving a bright purple effect. Bushes strong and healthy. Roots, \$7.50; Plants, \$3.75

LADY LYNDORA (Hall 84), *g e*, *Bloom 9 x 4, Bush 3 1/2 ft.* This lovely dahlia is bound to become popular, especially in the pink class, as it is a pure pastel pink, with formation, size and stem to carry it through. Bush growth semi-dwarf, with exceptionally free blooming habits. Roots, \$1.50; Plants, .75

WATCHUNG WONDER (Smith 85), 1929, *g e*, *Bloom 10 x 6, Bush 5 ft.* A spectacular dahlia of a rich royal red with a touch of gold at the tips of the petals, with an occasional yellow petaloid to enhance its beauty. Flowers might be described as being almost on the end of the stem, and have unusual keeping qualities, for the back petals can be removed when withered and the centres will open out to perfect blooms. Roots, \$5.00; Plants, \$2.50



This exhibit, occupying the entire east end of the Hotel Commodore Ballroom at the American Dahlia Society Show, New York, 1931, won the A. D. S. Silver Medal and the final award, offered by the National Association of Commercial Dahlia Growers, for the trade exhibit in the best condition on the last day.



DWIGHT W. MORROW



INFORMAL DECORATIVE DAHLIAS

DWIGHT W. MORROW (DahliaDel 86), 1931, *g e, Bloom 12 x 6, Bush 5 ft.* Named by Frederick E. Dixon in honor of our late and distinguished statesman. A gigantic red dahlia that is admired by everyone. Not only does its size and form make all who see it ardent admirers, but its richness of color makes it one of the most spectacular dahlias. This dahlia likes reasonably heavy soil, but should not be forced or over-watered. From New Jersey and north we have had wonderful reports of this dahlia's behavior, as it does best in cool weather. In the South, however, the heat will cause the stem to droop with the extreme weight of the massive blooms, and it should not be brought into bloom until cooler weather. It responds well for us by topping once or twice and then disbudding according to Drawing X. It is a healthy grower, with heavy foliage, and by far the most outstanding red dahlia we have seen. A winner in the seedling class in 1930 at Atlantic City and the past season was a popular winner in many shows. The accompanying illustration shows stem and arrangement of this huge dahlia.

Roots, \$10.00; Plants, \$5.00

IMPERIAL PINK (Hall 86), 1931, *g e, Bloom 11 x 6, Bush 6 ft.* This dahlia is not only massive, but graceful and artistic in form. In color it is a beautiful rose pink with primrose and silver shadings, blending to violet rose at tips. It did considerable winning in 1930 and is very likely to make a good showing the coming season.

Roots, \$10.00; Plants, \$5.00

JERSEY'S SOVEREIGN (Waite 80), *g e, Bloom 7½ x 4, Bush 6 ft.* A dahlia worthy of anyone's growing. A good grower, early bloomer, of pleasing shade of salmon orange.

.50

KATHLEEN NORRIS (F. & M. 87), *c g e, Bloom 10 x 5, Bush, 5½ ft.* This outstanding exhibition dahlia is a true rose pink, deepening to mallow pink, with young central petals a lighter shade. Petals are broad and overlap each other. Blooms are held erect on long, strong stems. This dahlia to do its best should not be planted before June 15th, or if planted early should be topped rather severely about the middle of July with conditions as we have them in New Jersey.

Roots, \$4.00; Plants, \$2.00

KEMP'S VIOLET WONDER (Kemp 85), *g e, Bloom 10 x 5, Bush 5 ft.* The predominating color of this fine dahlia is Napthaline violet, with an undertone of royal purple, lightening to a faint bluish violet at the tips of petals. Deep flowers of perfect form. Stems are stiff, holding flowers a foot above the foliage. A truly outstanding variety, keeping well when cut. Plant is a prolific bloomer, strong grower, not susceptible to sucking insects. D. S. of N. J. Cert. A. D. S. Gold Medal Ribbon.

Roots, \$2.50; Plants, \$1.25

MARGARET WOODROW WILSON (F. & M. 84), *g e, Bloom 9 x 4, Bush 4½ ft.* An exhibition decorative of immense size and wondrous beauty. Color, an opalescent pink. Face of petals creamy white with a phlox pink reverse. D. S. of N. J. Cert. A good grower and early and profuse bloomer.

.75

NOTTINGHAM BEAUTY (80), *g e, Bloom 8 x 3, Bush 7 ft.* A strong, vigorous grower. Color, true purple with white tips. Flowers of good form, size and very showy. Stems pendant.

Roots, \$1.00

POP STEWART (F. & M. 82), *g e, Bloom 8 x 3, Bush 4 ft.* A very satisfactory dahlia, blooming early and late on strong stems. A good grower, although not tall. Color, pure lilac pink and one of the best in this color. D. S. of N. J. Cert.

.75

PRINCE REGENT (Hall 84), 1931, *g e, Bloom 9 x 4, Bush 4½ ft.* A dahlia that is easy to grow and, although a compact grower, stems are of good length. Color, clear salmon buff, shading to gold in the centre. A good root maker and keeper.

Roots, \$7.50; Plants, \$3.75

SANHICAN'S BLUEBIRD (F. & M. 80), *g e, Bloom 7½ x 3½, Bush 4½ ft.* A pleasing near to blue decorative with outer petals of bright violet blue, while the center petals retain the violet tint. An attractive flower on wiry stems.

Roots, \$1.00; Plants, .50

SANHICAN'S MAGNATE (F. & M. 80), *g e, Bloom 9 x 4, Bush 3 ft.* A pale amaranth pink, face of petals tinged with a deeper shade and the reverse of petals a solid claret color, heavily veined. A large variety on a dwarf bush suitable for front plantings.

\$1.00



DAHLIADEL NURSERIES



Informal
Decorative Dahlias

Waldheim Sunshine

WALDHEIM SUNSHINE (Peacock 85), *c g e*, *Bloom 10 x 4½, Bush 5½ ft.* This giant yet graceful dahlia is one of the best. A true deep yellow that will show up yellow under artificial light. The reflex is darker, and there is a rich golden suffusion around the beautiful full, high centre. The bush growth is good, stems are strong and erect. It is a sturdy grower and free bloomer. The centres were perfectly full when killed by frost.

Roots, \$2.50; Plants, \$1.25

ALICE STELLICK (Rindfleisch 85), *g e*, *Bloom 7½ x 5, Bush 6 ft.* Bi-color dahlias are striking, but this one is unusually so. A bright crimson carmine with a distinct white stripe in the centre of each petal. The petals curl and twist, making a very appealing and unusual flower.

Roots, \$10.00; Plants, \$5.00



INFORMAL DECORATIVE DAHLIAS—Continued

F. A. VENDRELL (Peacock 83), 1931, *c g e, Bloom 8 x 3, Bush 4½ ft.* Spanish combination of orange and red shades, sunflower yellow shading to coppery red, suffused gold at centre. It is an early and profuse bloomer, with full flowers even late in the season. A mass of color for landscape work when not disbudded. Foliage glossy and healthy.

Roots, \$10.00; Plants, \$5.00

FLAMING METEOR (Baker 82), *g e, Bloom 8 x 3, Bush 5 ft.* This dahlia is decidedly attractive owing to its unique form, bright color and good keeping qualities. The flowers have full centres and are borne in profusion on stiff, wiry stems. Color, deep cadmium yellow with heavy scarlet suffusion at the centre, the general effect being a flaming orange. .75

GOOD NIGHT (Broomall 86), 1929, *g e, Bloom 10 x 5, Bush 5 ft.* One of the prettiest dark dahlias we have had the pleasure of growing. Good throughout the season. Color, oxblood red shaded maroon. Its faults are hard to find, which is saying a great deal, as it has size, form and stem as well as being an early and profuse bloomer. Roots, \$5.00; Plants, \$2.50

KING MIDAS (Peacock 85), *g e, Bloom 10 x 4, Bush 4 ft.* A very popular yellow dahlia. The plant growth is sturdy, stems are long and erect. For disbudding it responds best to Drawing X and comes into bloom about six weeks after second pinching out. Centres are high and full to the end of the season.

Roots, \$3.00; Plants, \$1.50

MABEL S. DOUGLAS (Thompson 83), 1930, *g e, Bloom 10 x 4, Bush 6 ft.* This dahlia is of artistic formation with long, curled, pointed petals. In color it is a beautiful pastel lavender. We believe this dahlia will do well in heavy soil. It needs staking and can be disbudded according to Drawing X or Z.

Roots, \$5.00; Plants, \$2.50

META SCAMMEL (Andrews 80), 1929, *g e, Bloom 9 x 4½, Bush 5 ft.* Deep amaranth pink, shading lighter at the centre. Artistic because of its irregularly placed petals and pointed tips, which curl and twist, giving depth to the flower. Held above dark green foliage on long stems. Good growing habits. Roots, \$1.50; Plants, .75

SANHICAN'S NYMPH (F. & M. 84), *g e, Bloom 8 x 4, Bush 5 ft.* A dahlia suitable for exhibition. It is a deep flower with a very full centre. Color, a beautiful primrose yellow with a shade of fawn rose on the reverse of petals, the latter color showing up more clearly at the centre of the flower. Flowers face upward on strong stems. Roots, \$2.00; Plants, \$1.00

TARRYTOWN (McDonald 83), 1931, *Bloom 10 x 4, Bush 5 ft.* Deep gold with mauve and bronze shadings, of rather loose and irregular formation with broad, heavy petals. Stems strong and erect.

Roots, \$5.00; Plants, \$2.50

VALESKA (Ballay 85), *g e, Bloom 9 x 5, Bush 5 ft.* An even tone, clear lilac without shadings, except being somewhat darker at the centre. Flowers are of a deep formation, full centres, and held on long, erect stems. Plant growth rugged and healthy.

Roots, \$2.50; Plants, \$1.25

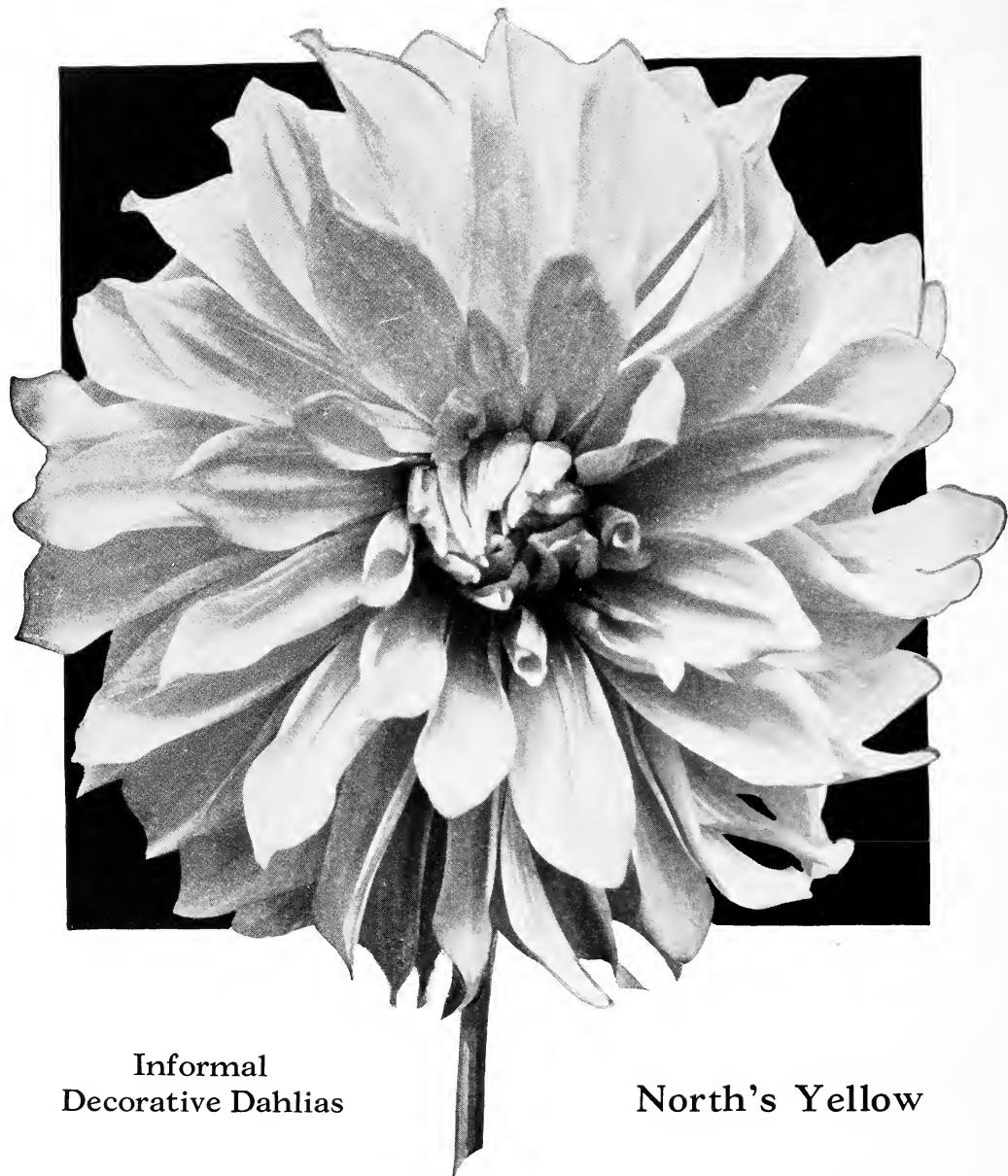
ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION



As a member and officer of the National Association of Commercial Dahlia Growers, we would like to tell you what the association is doing. First of all, we are banded together for a square deal to all and from all. Any member using the accompanying trade-mark is bound to give you a square deal or the association will find out why they did not. So any differences you may have with the members, report them to the Association for the good of the Dahlia Association and help us make the trademark mean just what it says, "A Square Deal." A well-organized Credit Bureau is an important part of the organization. Growers with a clean slate are hereby invited to send to Thomas Leavitt, Assinippi, Mass., for application blank for membership.



DAHLIADEL NURSERIES



Informal
Decorative Dahlias

North's Yellow

NORTH'S YELLOW (Peacock-DahliaDel 85), 1929, *c g e*, *Bloom 10 x 4, Bush 6 ft.* We do not have many varieties that seem to enjoy August heat, but this one does, and will produce perfect blooms for us when lots of varieties will not. This dahlia should do well in the South, and, as it is such an early bloomer, proves equally good in the North. It is a rapid grower and should be handled according to Drawing X. Color, a clear sulphur yellow without any shadings.

Roots, \$2.00; Plants, \$1.00



INFORMAL DECORATIVE DAHLIAS—Continued

ALTAMONT (Kemp 79), *g e, Bloom 10 x 4, Bush 7 ft.* Large, full flowers with long, slightly curved petals of artistic formation. Stems are long and slender but rigid. Color, rose pink, deepening to American Beauty rose at the centre of the flower. Roots, \$1.00; Plants, .50

BARBARA REDFERN (Redfern 80), *g e, Bloom 10 x 4½, Bush 5½ ft.* This dahlia is a beautiful combination of old rose and gold. Petals are long, with a slight twist, showing both colors. Deep flowers are held on long stems. A continuous bloomer and healthy grower.

Roots, \$1.50; Plants, .75

JACK O'LANTERN (Reed 80), *g e, Bloom 9 x 3, Bush 5½ ft.* A bright spot in the garden. Petals are wide and twisted, of a brilliant orange-red, shading to a dark Spanish red near the centre. The petals that form the centre are tipped with gold, making the general effect very bold and brilliant. A good grower and bloomer.

\$1.00

MARGARET WYLIE (Fraser 80), 1930, *Bloom 8 x 4, Bush 3½ ft.* Immense loose-petaled blooms are a beautiful shade of rose red, reverse of petals rose pink and silver. Profuse bloomer on long, stiff stems. Won at Hartford, Conn., for Outstanding Seedling 1929.

Roots, \$5.00; Plants, \$2.50

MARMION (Tyler 82), *g e, Bloom 10 x 4, Bush 6 ft.* Pure golden yellow with a bronze centre, and reverse of petals reveals a bronze suffusion. The blooms are held well above the foliage of the sturdy, strong-growing plant. A dahlia still popular.

Roots, \$1.00; Plants, .50

PRES. HOOVER (Peacock 82), 1930, *g e, Bloom 8 x 5, Bush 6½ ft.* Color is a blending of peach red and begonia rose, reminding you of Papillon, only much brighter. Stems are long, mostly erect. Bush growth is strong and healthy with dark green foliage. It is one of the first dahlias to bloom, and, by pruning and disbudding, will be going strong at the end of the season.

Roots, \$5.00; Plants, \$2.50

PRIDE OF STRATFORD (M. & S. 76), *g e, Bloom 9 x 4, Bush 5 ft.* A large dahlia, inclined to be a little bashful, the bloom tipping somewhat at the neck. Form is very good, centres full and color cadmium orange, shaded light orange yellow at base of petals, reverse rose doree.

.75

REGAL (Boston 82), 1928, *g e, Bloom 10 x 5, Bush 4½ ft.* Bronze, heavily suffused with dull old rose, with gold shadings at base of petals, giving it a burnished copper effect. Blooms profusely. Flowers held well above the foliage on long, rigid stems.

Roots, \$3.00; Plants, \$1.50

TANG (Downs), 1931, *g e, Bloom 9 x 6, Bush 4½ ft.* A very showy and decidedly Informal Decorative that is surely a bright color combination of orange flame with gold shadings and a tan reverse showing up to advantage. Although the stem may not be as good as its predecessor, Jane Cowl, it will hold the bloom facing, which is sufficient. This dahlia is a good grower with dark, heavy foliage.

Plants only, \$5.00

WHITE EMPRESS (Jost 82), 1929, *c g e, Bloom 8 x 5, Bush 5½ ft.* This dahlia is a strong, healthy grower with leathery foliage. Stems are strong and erect. Color, almost a pure white. Not an overly abundant root maker, either from roots or plants.

Roots, \$3.00; Plants, \$1.50

WONDERLAND (Bissell 78), *g, Bloom 10 x 3, Bush 6 ft.* Flowers are large and artistic. Color, deep velvety garnet purple, reverse light rosy magenta. Petals are twisted and curled, making a two-tone effect.

Roots, \$1.00; Plants, .50

Dahlia Society of New Jersey

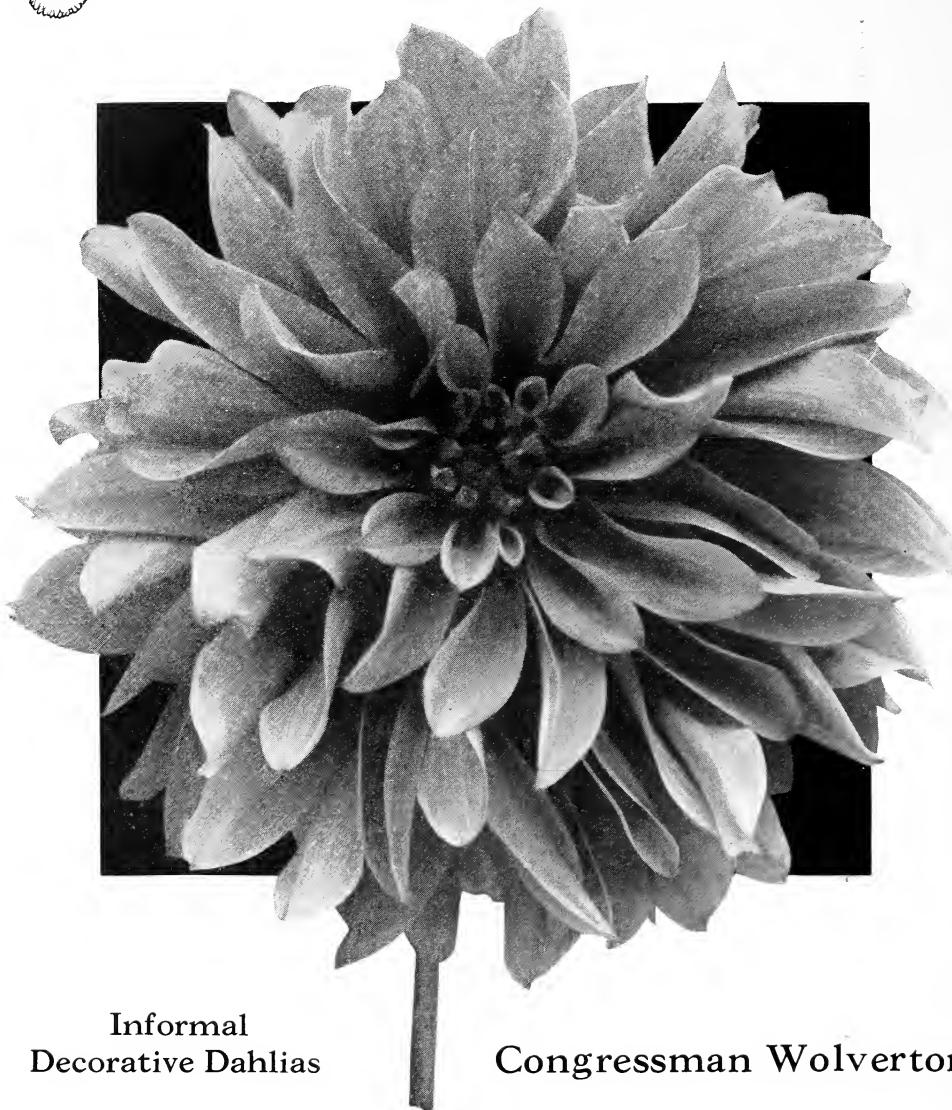
The Dahlia Society of New Jersey will again hold its Show in Atlantic City with the Flower and Garden Pageant, where many valuable prizes will be offered as well as over \$1.000 in cash for the dahlia classes.

This, our state society, is a wide-awake organization, doing fully as much advance work to promote interest and uphold the high standards for growing the dahlia as any society I know of. It is now working with a new, snappy monthly periodical, *New Jersey Gardens*, which is included in the dues of \$2.00 a year.

Miss Virginia Stout, Short Hills, N. J., the head of our new Membership Committee, will be pleased to give you any information concerning what we are doing in New Jersey. Send dues, drawn to order of Dahlia Society of New Jersey, to Mrs. F. S. Fisher, 121 Abernethy Drive, Trenton, N. J.



DAHLIA DEL NURSERIES



Informal
Decorative Dahlias

Congressman Wolverton

CONGRESSMAN WOLVERTON (Peacock 85), **1931, c g e, Bloom 8 x 4, Bush 5½ ft.** This fine dahlia is described as a cross between Jersey's Beauty and Rodman Wanamaker. It has the full, high centre of Jersey's Beauty and the irregular back petals and free-branching habit of Rodman Wanamaker. The color is a bright luminous salmon pink and, like Rodman Wanamaker, it starts to open yellow, then develops into the luminous pink.

Roots, \$5.00; Plants, \$2.50

CIGARETTE (Boston 81), **c g, Bloom 7 x 4, Bush 6½ ft.** Creamy white, heavily edged orange with color variations. Some flowers come all orange red. Petals are long and narrow, inclined to roll. Blooms large, of good substance on excellent stems. Good for cutting. .50

CLANSMAN (Diggle 82), **c g, Bloom 7 x 3, Bush 4½ ft.** An attractive and useful cut flower. Blooms early and profusely on good stems and is of very good substance. Color, orange apricot with a golden sheen brightened by a pink suffusion. Roots, \$1.50; Plants, .75

DOROTHY STONE (F. & M.), **1930, c g e, Bloom 9 x 4, Bush 5 ft.** This dahlia has shown up well in the gardens and in the show room although not as spectacular as its running mate, Kathleen Norris. It is a deeper pink and a deeper flower. A good grower with deep green leathery foliage. Stems are long and erect.

Roots, \$3.50; Plants, \$1.75



INFORMAL DECORATIVE DAHLIAS—Continued

EAGLE ROCK BEAUTY (Broomall 84), *g e, Bloom 9 x 3½, Bush 5 ft.* This fine, impressive dahlia certainly is a pretty combination of pastel pink with ivory or creamy white centre. Petals long and gracefully twisted. A pleasing and satisfactory variety.

Roots, \$1.50; Plants, .75

JANE COWL (Downs 88), *c g e, Bloom 10 x 6, Bush 5½ ft.* This wonderful dahlia has been a success wherever grown. Color, a warm buff and old gold, blending to apricot and rose at the centre. Bush growth is ideal with strong stems holding the giant flowers upright. A dahlia that is sure to please you, for it is large and impressive. A. D. S. Certificate.

Roots, \$1.00; Plants, .50

JERSEY'S DAYBREAK (Waite 84), *g e, Bloom 8 x 4, Bush 6 ft.* This much-admired dahlia is Hermosa pink, shading to creamy yellow in the centre. Flowers of good size with high pointed centres; hold their splendid form throughout the season. The stems are rigid and the foliage is of a leathery texture.

Roots, \$2.00; Plants, \$1.00

MARTHA KEMP (Kemp 84), 1928, *c g e, Bloom 8 x 5, Bush 5 ft.* A very pretty pastel combination of warm buff shading apricot yellow at base. Flowers deep and artistic, held on long, erect stems. A good grower and bloomer.

Roots, \$1.50; Plants, .75

MRS. ELEANOR MARTIN (Pelicano 78), *g e, Bloom 9 x 3, Bush 5 ft.* A very striking and popular dahlia. A peculiar rose shade with reverse of violet, well described as "Mulberry." A profuse bloomer with good stems.

.75

MRS. KENYON (Harding 83), 1929, *g e, Bloom 9 x 4, Bush 4½ ft.* A dahlia you will be pleased with, as it is a rich salmon to peach pink, shading to orchid at the tips. It is a strong, healthy grower with leathery foliage. Flowers held facing partially upward on strong stems.

Roots, \$2.50; Plants, \$1.25

RODMAN WANAMAKER (Peacock 82), *c g e, Bloom 10 x 3, Bush 5½ ft.* One of our strongest growing varieties, producing large flowers on long, strong stems. Buds are a pale yellow, but as the flower expands develop into a bronzy salmon pink. This variety has a real peony centre, which does not detract from its beauty.

Roots, \$1.50; Plants, \$1.00

SUSAN G. TEVIS (Boston 80), *g e, Bloom 8 x 3½, Bush 5 ft.* This variety trends to the blue tones, but is a bright, rich lilac with bluish sheen. A vigorous grower, producing large, perfect blooms on fine stems through the season.

.50

WORLD'S BEST WHITE (Murphy 84), *c g e, Bloom 9 x 3½, Bush 5½ ft.* Although grown for a few years, this dahlia is still our best all-around commercial white and equally good for exhibition or the garden. The immense creamy white blooms are borne profusely on stiff stems.

Roots, \$1.00; Plants, .50

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

DAHLIADEL NEWS

Scattered through the catalog you will find short bits of news that we hope will be of interest to our readers, for it seems as though friends of the dahlia are friends of ours, and anyone interested in flowers should give dahlias their share of interest and admiration.

We urge all dahlia and flower lovers to join some society devoted to horticultural advancement. You know, somehow, the worthwhile people of today take to flowers, horticulture, music, or art as a hobby, if nothing else. It doesn't matter whether or not they have money, the love for beauty seems to be preëminent. You will get quite a thrill visiting their shows and even more pleasure if you take part in them and exhibit. It's lots of fun to win prizes. Let me assure you that the classes are very easy to enter, and after a little experience you will surely start winning.

We have just had a better growing season than the two previous years and as prophesied our shows were decidedly better, blooms were of better quality and classes better filled which will react in more interest the coming year.

It is with satisfaction that we witness the dahlia's advancement in beauty, form, size and growing habits, which will encourage those already growing them and influence those who have taken no interest in the dahlia before, especially when a dozen Fine Exhibition Varieties can be purchased in plants for \$5.00. See page 61. Our Potash-Fed Dahlia Family is sure to please.



GROWING POTASH FED DAHLIAS

The following directions are based upon years of experience and may be of value in solving some of your cultural problems. These suggestions should be changed to suit the local requirements. However, we sincerely believe that the fundamental principles involved will apply throughout the country.

SOIL PREPARATION AND CONDITIONING

The dahlia will grow and produce excellent results in a wide range of soils. It is not as much a matter of soil type as it is conditioning. To grow exhibition blooms to perfection, the nearer soil can be to ideal the better your results will be. Soil should contain enough clay to keep the fertility from leaching and also enough sand or stones to facilitate drainage. Fifty to 65 per cent sand is considered ideal. The primary factor, however, in growing dahlias is that of drainage, which in sandy soils is well taken care of, but in heavy soils dig in and thoroughly mix a quantity of coarse coal ashes into the sub-soil. Then mix coarse manure, straw, litter or peat moss into the top-soil. The addition of a good quantity of coarse sand will help drainage and aeration wonderfully in compact or clayey soil.

The use of peat moss broadcast and mixed well into the top-soil without the use of coarser material in the sub-soil is an advantage on heavy soil to open it up and on light soil it will conserve moisture and hold fertility.

As soon as the soil can be worked in the spring, it may be further improved by a cover crop of oats and Canada field peas. Or, better still, where Winters are severe, sow rye in September or October. The green crop will do no harm during the late blooming season, will winter over, and should be turned under about two weeks before planting. In New Jersey and farther south, rye can be sowed after digging roots. A cover crop will add organic matter, supply humus and further adjust soil conditions. If soil is poor, the oats or rye may be top-dressed with stable or hen manure, the sooner after planting the better.

DRAINING

For soggy soil we might suggest ditching 18 or more inches deep where the row is to be planted, running the ditch with the slope if possible. Fill in with coarse ashes, clinkers or any coarse material that will not rot, keeping it below spading depth, then fill in top with a mixture of soil and peat moss, probably 15 to 20 per cent peat moss, and to each bale of peat moss add 2 pounds of powdered chalk (calcium carbonate CaCO_3). This will prevent any additional acidity in the soil.

LIMING

As a rule, the dahlia likes a reasonably acid soil, but will do equally well without the presence of much acid. Lime not only neutralizes acid, but makes the natural humus in the soil available as well as loosening heavy soil. With this in mind, liming at the rate of 1 pound to 20 to 30 square feet is a safe practice on heavy soil every 2 or 3 years.

FERTILIZERS

Of the ten elements considered absolutely necessary to plant growth, we find nitrogen, phosphorus and potassium the prime essentials and the ones most lacking.

Nitrogen stimulates the growth above ground, producing large bushes and flowers, but if used to excess the flowers will be soft, wilting readily, and the bushes will be overgrown and lower the vitality of the roots. Nitrogen is found naturally in humus (decomposed vegetable matter or manure). It can best be supplied in animal matter, such as bone meal, tankage or manure.

Phosphoric acid increases the root development, especially the lateral and fibrous roots, strengthens the plant growth and gives substance to the bush and flowers. It also aids in ripening the roots. This element is found in bone meal, tankage and acid phosphate, with a small amount available in manures.

Potash is the balancing agent for nitrogen and phosphoric acid. It gives color to the flowers and foliage, and vigor and tone to the plant in general. It is an essential in starch formation and aids in the maturing of well-nourished roots. This is found in wood ashes, muriate or sulphate of potash.



Fertilizer to be applied before planting. Scatter broadcast after spading and mix thoroughly into the top-soil to every 100 square feet of ground or to each 10 dahlia hills.

5 lbs. Raw bone meal.

10 lbs. Unleached wood ashes, or

1 lb. Muriate or sulphate of potash, not both.

An additional 5 lbs. bone meal may be spaded in before the above application if ground is very poor.

Fertilizer or top dressing to be applied about August 15. Scatter broadcast over ground not closer than 6 inches nor more than 18 inches from the stalk and rake in, to every 10 hills.

1 1/2 lbs. Raw bone flour.

1 1/2 lbs. Animal tankage, or

4 lbs. Sheep manure, not both.

5 lbs. Unleached wood ashes, or

1/2 lb. Muriate or sulphate of potash, not both.

Manuring is not necessary, even in light soil, if the above formula is used, but an application of horse or cow manure or compost in the Fall is very good for soils lacking humus. This can be used as a top dressing for a cover crop, or dug in by shallow spading in the Fall to help decomposition and then spaded in deep about two weeks before planting.

Don't use nitrate of soda as a fertilizer. Don't try to grow exhibition blooms by forcing the life out of your stock with sheep or any other manure and expect your stock to do well for you the following year without balancing your plant food with phosphoric acid and potash. Exhibition blooms and good roots can be grown at the same time from green plants as well as from roots by following our cultural instructions.

HOW TO PLANT

Roots should be planted in trenches or holes, 4 inches deep in heavy soil and 6 inches deep in sandy soil, laid flat down (not on end) and covered with earth not over 2 inches in depth, filling in as the plant develops. Where drainage is poor, do not plant so deep and keep a furrow open between rows to facilitate drainage in wet weather.

Do not plant roots or plants in or over hot manure or any quantity of compost. Although practiced by some, we do not recommend the use of any potato, dahlia fertilizer or bone meal in the hole directly under the dahlia root or plant, as there is too much danger of injuring the tender feed roots, but rather a broadcast application, as recommended above after spading. The stunt in dahlia plants can often be traced to the burning of the feed roots caused by excessive chemical feeding.

WHEN TO PLANT

Should you desire a mass of color for landscape effect or a number of smaller blooms to cut, early planting is recommended. For exhibition blooms later planting is advisable, unless you intend to cut back, prune and disbud systematically.

Dahlias should be planted in Southern New England, Southern New York State, Pennsylvania and North Jersey between May 15th and June 15th, while in South Jersey, Delaware, Maryland, Virginia and interior States of the same latitude the planting period extends from May 1st to July 1st; North Carolina from April 15th on, South Carolina and Georgia from April 1st on, advancing through Florida to January in the citrus fruit belt. Farther north where hot Summers are less harmful and early frosts are prevalent, planting may commence as soon as danger of frost is over. In the northern parts of the United States and Canada we recommend starting dahlia roots or plants in a cold frame in pots or in squares of inverted sod, so they can be planted in your garden without disturbing the feed roots. Should the top growth be over 6 inches at time of planting out it would be well to top out, leaving preferably two nodes above the ground, see P on Drawing X. When green plants are grown in 2 to 2 1/2 -inch pots, as soon as a good root growth is developed they should be repotted in 3 to 4-inch pots and pinched out at time of re-potting.

GREEN PLANTS

DahliaDel plants are sprouts or cuttings taken from stock of named varieties, grown in specially built greenhouses, rooted in sand benches in a propagating house, potted and grown inside until established, then moved to cold frames for hardening off, ready for shipping and field planting.

The popularity of DahliaDel green plants is growing fast, and we suggest that you give them a trial on your next order if you are buying the higher-priced varieties, as plants are one-half root price in most cases. Green plants, when properly grown from healthy stock, give equal or better blooms than from roots, and most varieties make a nice clump. The way the plant is grown has a lot to do with root production, but we believe by following our cultural instructions you will have roots as well as blooms.



DAHLIADEL NURSERIES

Where dahlia plants are grown with only a reasonable amount of fertilizer and water they are apt to make more roots than when grown in the midst of plenty. To produce roots on plants use a balanced plant food, as recommended under *Fertilizer*, but not to excess, and water only when necessary to produce a good, healthy, but not soft growth. When setting plants the last of June for September blooms, we recommend disbudding, according to Drawings X, Y and Z. When planting a month earlier it will be necessary to cut bushes back severely six weeks before you want blooms, leaving about one-half the growth and not more than six laterals for the first blooms. Then disbud these, as shown on Drawings X or Y, as soon as branches develop sufficiently. This will give the plant an oversupply of feed roots, which will start root production at once. On digging in the Fall you will find mature roots, where on check plants not cut back you will find more fibrous or feed roots.

In growing DahliaDel green plants, only the strongest cuttings are potted, and again the best plants are selected for filling orders. This assures you of the best stock procurable.

EXPLANATION OF DRAWINGS

These drawings are made with the hope of making disbudding easier. The left side of each drawing shows half of the plant disbudded, while the right side shows the normal development of branches and buds on the same plant when not disbudded.

PINCHING OUT OR BRANCHING

This is indicated on Drawings X and Y at P and P2, first and second pinching out, respectively. We recommend this system for most varieties. The smaller a plant is when pinched out the quicker it will heal and branches develop.

Allow only one main stalk to grow (never more than two). Pinch out the crown or centre above the second pair of leaves. The principle of taking out the centre is to develop the eyes, which are located at the base of the leaves. The top pair of eyes will make themselves evident in surprisingly short time, and these shoots or branches on most varieties should be pinched back again, P2, leaving not more than one pair of eyes on each branch. By the time these get a start, the second or lower set of eyes on the main stalk will have developed along with the four above. These six stems should bear the first six flowers.

DISBUDDING

Disbudding, as indicated by T in drawings, is the pinching or rolling out of the small bud growing at the base of each leaf. These can be cut out with a pointed knife if they have developed considerably before disbudding.

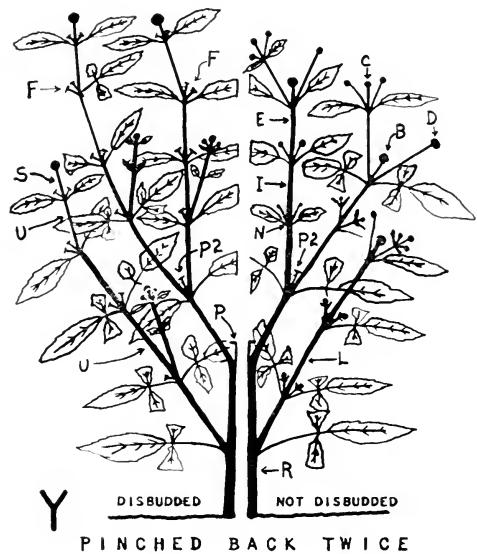
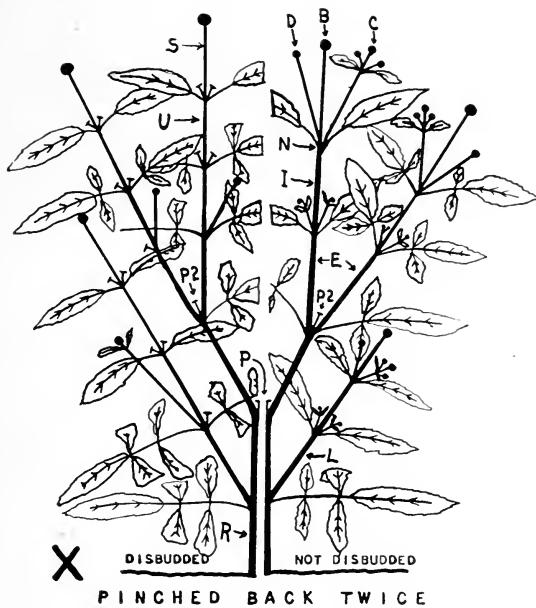
When the terminal bud on each of these stems is about the size of a small acorn, or as soon as the side shoots are large enough to pull out, disbud by taking out all the side buds and shoots except the lower pair on each of the branches. Leave only one side shoot on each, as shown in Drawings X or Y, should you desire very large flowers. These new branches should be handled as the previous set as soon as they have developed sufficiently. All of the disbudded stem should be cut with the flower. This early disbudding and pruning is not solely for the benefit of the first six flowers, but mainly to keep the bush low and properly branched for the future crop, also aiding in root development.

Notice in the index the key letter just ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed.

Drawing X is recommended for most varieties under normal growing conditions. Pinching out once is best for varieties that branch readily, while pinching out twice will prove advisable on varieties that grow main branches rapidly and develop lower branches slowly.

Drawing Y differs from X in that the variety is known as a crotch bloomer, or a variety with short stems where the flowers are often down in the foliage. This is easily handled by side pruning, as indicated at F, using the secondary terminal bud instead of the first terminal bud for your bloom. The right side of the drawing shows natural growth after pinching out twice, which is not desirable except for mass color in landscape effects.

Drawing Z is another system which is recommended for some varieties but can be used for most dahlias (except crotch bloomers) should you desire to see one early bloom. Our reason for not recommending this is that dahlias are not at their best in the hot weather and this one bloom is not always what we are expecting. Again, the right half shows normal branch and bud development when not disbudded. There are a few varieties that need the old foliage on the main stalk to keep the roots functioning properly, so when removing this crown bloom leave the central stalk and leaves on the plant but disbud the entire stalk, as shown on the left half of drawing.



Key Letters to Drawings

- B Terminal Flower Bud
- C Secondary Terminal Bud
- D Lateral Bud
- E Branch
- F Side pruning, removing B and D
- I Internode
- L Lateral Branch
- N Node
- P Pinched out once
- P₂ Pinched out twice
- R Stalk
- S Stem
- T Where shoot or bud has been removed
- U Stem Stalk

Key Letters Used in Index

- V Cut back 6 weeks before you want bloom, but do not disbud
- W Cut back six weeks before you want bloom and disbud as soon as laterals are large enough
- X Drawing—pinch back twice then disbud
- Y Drawing—pinch back twice then side prune
- Z Drawing—just disbud





DAHLIADEL NURSERIES

Should you fail to pinch out when plants are small, it will be necessary to use system shown on Drawing Z or exercise care with late topping or cutting back not to open hollow stems so that water can get in and start stem rot. These openings can be stopped up with wax or plaster paris. Should water get into the stalk, slit the stalk just above the nodes with the point of a sharp knife, and by twisting the knife let the water out.

Certain varieties branch to excess. These should be thinned out at intervals of two weeks, and not more than six shoots allowed to come into bloom for the first flowers. This affords the plant better air circulation and sunlight. Without plenty of air and sunlight your blooms cannot be fully developed and your foliage will be easy prey for mildew.

CARE OF GREEN PLANTS

After removing moss and paper pots from plants that have been shipped, plant them with the top of the ball of dirt about 3 inches below the ground level and cover the top of the ball of dirt about 1 inch. Fill in gradually as the plant develops. In locations where there is danger of flooding, or poor drainage, do not plant this deep.

Where dahlia plants are to be set in heavy soil it is advisable to at least prepare the hill by mixing sand or the coarser part of coal ashes into the ground directly under and over the roots of the plant. The dirt can also be washed off the roots and the roots straightened out. This is not at all necessary in light soil, but plants will make better clumps in heavy soil if the above recommendation is followed.

Cut all plants back to two or three pairs of leaves above the ground, or at least pinch out the top to cause the plant to branch, unless plants have been shipped a distance and lower leaves are somewhat yellowed. It is then best to set the plants without cutting back to get feed roots started. After the plant has started to grow you can cut back with safety.

Water thoroughly if ground is dry and then protect with open basket or open crate for a few days as a partial protection from the sun and wind. For cut worms, scatter poison bait the evening of planting. See "Cut Worms."

Dahliadel green plants are properly grown and hardened for shipment and in our specially designed shipping box have been successfully sent all over the United States.

IRRIGATION

When your dahlias need water, wet the ground so it will penetrate about a foot deep when growing in light soil. In heavy soil, watering need not be as heavy, as it may be followed by a rain and over-watering may result. Cultivate as soon as sufficient drainage has taken place, and do not water again until necessary, which will be a week or more.

Except as recommended below for insect control, do not spray your dahlia bushes, and sprinkle the surface of the ground every night or so, for this will only pack the surface, preventing air circulation and causing the soil to crust and dry rapidly in the sunshine. This also draws the feed roots to the surface, to be sickened by the heat of the sun's rays. The flowers produced are soft and the root development very poor, low in vitality and hard to winter.

Automatic overhead irrigation is the most satisfactory all-around system. It is ideal for the early growing season and we recommend its use in the middle of the day in bright sunshine during this period, as it will discourage thrips and leaf hoppers and control red spider. If insects are bad we recommend sprinkling every two or three days from 1 to 1½ hours each time until insects are under control, then harden the plants off with less water and more cultivation. This will not only discourage insects but help the plants out-grow the insect injury. When bushes are well developed and buds breaking it is best to water after nightfall, less often and more thorough. Once a week should be sufficient in real dry weather.

CULTIVATION

By cultivating at least once a week, and as soon after rain or irrigating as the ground can be worked, the weeds will be held in check and a soil mulch formed which will conserve the moisture and lessen the need of irrigation.

As the plant develops and the feed roots come toward the surface, the ground should be worked rather shallow around the hill for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soil to the plant at each cultivation, giving the plant a new supply of food and protecting the surface roots from the heat of the sun. Have the hills mounded 3 to 5 inches by the middle of September. This will help support the stalks and protect the roots from freezing should an unexpected cold spell catch you before digging.



THRIPS

Thrips are tiny insects which in the nymph stage are less than $\frac{1}{8}$ of an inch long and a greenish gray color. They enter the growing leaf bud and chafe the **newly formed leaves**, injuring them so that they develop malformed and curled, also injuring the small flower buds and stems. These insects seem to enjoy the life blood of certain varieties on account of its flavor and do not molest the adjacent bush. If the attack is not checked the leaves will be gnarled and twisted, the buds one-sided or so injured that they dry up and fall off. This usually results in a stunted bush, which in reality is only debilitated by insect ravages.

LEAF-HOPPERS

Leaf-hoppers are larger than thrips and of a pale yellowish green color, a little over $\frac{1}{8}$ of an inch in length. They fly when the bush is touched during the heat of the day. These sucking insects do much to keep a plant from getting a good start. They, as well as thrips and aphids, are common carriers of virus diseases and should be kept in control for this reason if for no other. During the windy weather when dust cannot be applied to advantage, overhead sprinklers used during the heat of the day will control red spider and check the leaf-hoppers and thrips. See "Irrigation."

We believe that the best control of thrips, leaf-hoppers and aphids is dusting with a good nicotine dust. Apply in sunshine with the temperature above 70 degrees at weekly intervals as a preventive from the time the plants are set or roots start to grow, and if any should appear then about every four days until they disappear.

Another good control method is to spray with pyrethrum soap. This can be done at any time of the day and regardless of weather conditions, except rain. We have found this very effective for leaf-hoppers, thrips, red spiders and aphids. Use 4 ounces to 5 gallons of water. For all beetles, grasshoppers, ants and more hardy insects, use double strength or half the amount of water. Some of our customers have had wonderful results by using a pyrethrum soap, 4 ounces to 5 gallons, and adding 1 teaspoonful of Black Leaf 40 to each gallon. This kills not only by asphyxiation, but also by the toxic action of the pyrethrum. Should a bush be infested with ants, spray bush and pour a few quarts of spray down the ant hill or enough to fill the hill. This will do the dahlia no harm, but kill the ants.

By dusting or spraying before the presence of insects, it is doubtful if you will see any. As it is difficult to procure nicotine dust and pyrethrum soap in most localities, we are listing them under "Dahlia Grower's Supplies."

MILDEW

Gray spots on the leaves sometimes covering the entire leaf are the result of the growth of fungus spores known as Mildew. This is a result of a condition—lowered vitality—caused by lack of or an oversupply of water, planting too close without proper air circulation, or extremes. These adverse growing conditions are conducive to Mildew.

Spray with plain Bordeaux Mixture as prescribed on package once a week, preferably before the spots appear.

CUT WORMS

Cut worms are easily controlled by scattering about a teaspoonful of poison bran bait around the plant (but not touching it) as soon as plants are set or shoots appear from roots. The early evening is the best time to apply it.

2 tablespoonfuls of molasses or brown sugar (dissolved).
1 level teaspoonful paris green mixed in.
Juice of an orange or equivalent in water.
1 quart of bran or enough to make a reasonably dry mash.

STEM BORER

This black-and-white-striped worm when small enters the stem just above the ground and usually works upward. It will be noticed in the early season by the shortening of the internodes and later on by wilting. When noticed early, cut the plant off near the ground and get the borer with your knife. If the borer is below where you want to cut back, use a hooked wire from the top. A plant cut back not later than July 15th should be in full bloom early in September. Wax or plaster paris may be used to close up top of plant after borer is out so water will not get in and rot the plant.

Should a plant be too large to cut back when borer is discovered, use pyrethrum soap at strength of $2\frac{1}{2}$ ounces to gallon and inject with ear syringe. This will kill the borer or drive it out. Drain stalk out by slitting at the bottom to prevent stem rot.



STUNT

In over twenty years with dahlias, we have dug and destroyed all unhealthy stock as soon as detected, and the results are most gratifying. This is properly called rogueing. As there are a number of reasons why a plant should stunt, it is hard to tell the exact cause. However, we do know that rogueing is the only practical way of eradication, and believe some of the causes of stunt may be attributed to one or more of the following conditions:

First: From lowered vitality as a result of poor culture, lack of cultivation, etc., or forcing the stock with manure and water the previous season.

Second: The ravages of attacking insects, thrips, leaf-hoppers, stem borers, etc.

Third: The rotting of the feed roots caused by too much water where drainage is poor, or water in the hollow part of the stem.

Regardless of cause, all stunt should be dug out and destroyed. Our many years of this practice leaves us less than 1 per cent to dig annually on most varieties.

CUT FLOWERS

Dahlias should be cut in the evening or early morning, removing the lower leaves and all of the buds if not disbudded. Immediately put in water in a cool, dark place to freshen for a few hours.

Hot Water Treatment—Cut and freshen as above, then put stems in 1 to 2 inches of water, almost boiling, for 1 to 2 minutes. Then place in deep cold water to cool. Flowers are then ready to ship by packing in a strong corrugated box lined with tissue paper. Fasten stems down by nailing a wooden strip in the centre of the box or by tying down through the bottom. Flowers packed snugly will carry better than when packed loose and allowed to batter.

Flowers when wilted can be freshened by cutting end of stem and placing in hot water as above. Repeat until flower is freshened.

The hot water treatment will do wonders in making your exhibition blooms keep fresh after staging, but do not cut off the discolored end of stem unless you are again going to treat it.

The physical action of a cut flower is to take water up into the stem which evaporates through the flower and foliage. The slower this action of evaporation or transpiration takes place, the longer the life of the flower. From this you will see that buds and foliage will shorten the life of your flower. Also avoid placing cut flowers in a draft.

DIGGING AND STORING

After the first black frost, cut off the tops at the ground and allow a few days for the stalks to bleed out before digging. Then dig with a garden fork. Care should be exercised not to break the necks of the tuberous roots. Cut the stalk back again to about 2 inches above the crown. Then by tapping on the cut stalk endwise with a light instrument, most of the dirt will free without injury to the necks of the roots. Dry in the sun a few hours, and your clumps are ready to store. A root or white potato cellar is preferable with a temperature of about 40 degrees. In this they need no protection or covering. The average house cellar is too dry and hot, and in such conditions the clumps should be placed in the coolest part and packed upside down in a box in dry sand, ashes or, preferably, ground peat moss.

When packing in peat moss, care should be exercised, first, not to allow clumps to sit around and shrivel before packing away, but pack away the same day as dug if you are using dry peat moss as it comes from the bale. Second, do not use more peat moss than necessary to just barely cover each layer of clumps before putting in the next layer. The reason for this precaution is that all root crops sweat when taken into storage. The purpose of the peat moss is to absorb this sweat and conserve it for later on when the roots need it. Therefore, too much peat moss will cause your roots to dry out.

After the roots are stored a month, it is well to look them over, trim out any portion showing rot and dip all the fresh cuts in fine dusting sulphur, and pack them back again as before. Should the roots show signs of shriveling, place dampened peat moss over the top of the box to prevent further drying.

Dahlia roots air dried and so packed should keep well until spring with no further handling, providing they were grown properly, well ripened, and not frosted.

DIVIDING CLUMPS

It requires a little judgment to divide dahlia roots properly, as some varieties are more compact than others. The eyes will be found around the stem or crown, and never on the root itself, like a potato. Hence a root without a piece of the crown is worthless. A division consisting of a good root with one good eye is all that is necessary; more are of no advantage. Large clumps should never be planted whole.



DAHLIA ROOTS THAT WILL WINTER

First, sidestep the varieties that are known to be poor root makers.

Second, plant only stock that has been properly grown without previous forcing.

Third, fertilize so that your plants will have a balanced ration, namely, nitrogen in manures, humus or bone meal, and phosphoric acid in acid phosphate or bone meal, and potash in wood ashes, sulphate, or muriate of potash.

Fourth, cultivation is worth more than watering for healthy plant growth. Water thoroughly only when necessary, but cultivate once a week throughout the season, until the middle of September, then stop. This check will help materially in ripening the roots.

Selected stock, in either green plants or roots, properly fertilized, watered and cultivated, will produce wonderful blooms, and the roots will have every chance of wintering. A complete starch formation is essential for proper wintering of a dahlia root, and the above suggestions are essential.

CLASSIFICATION OF DAHLIAS

CLASS I. *Single Dahlias*. Open-centered flowers, with only one row of ray florets, regardless of form or number of florets. For example, Newport Wonder, Fugi San, Eckford Century.

CLASS II. *Mignon Dahlias*. Flowers similar in all respects to those of Single Dahlias, the plants not to exceed about eighteen inches in height. For example, Coltness Gem.

CLASS III. *Anemone Dahlias*. Open-centered flowers, with only one row of ray florets, regardless of form or number of the florets, with the tubular disc florets elongated, forming a pin-cushion effect. For example, Ada Finch.

CLASS IV. *Collarette Dahlias*. Open-centered flowers, with only one row of ray florets, with the addition of one or more rows of petaloids, usually of a different color, forming a collar around the disc. For example, Diadem, San Mateo Star, Ami Nonin, Géant de Lyon.

CLASS V. *Duplex Dahlias*. Open-centered flowers, with only two rows of ray florets, regardless of form or number of florets. For example, Golden Sunshine, Mme. J. Coillard.

CLASS VI. *Peony Dahlias*. Open-centered flowers, with not more than four rows of ray florets, regardless of form or number of florets, with the addition of smaller curled or twisted floral rays around the disc. For example, Geisha, Gorgeous, City of Portland.

CLASS VII. *Incurved Cactus Dahlias*. Fully double flowers, with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower. For example, F. W. Fellows, Bearclaws, Farnicot.

CLASS VIII. *Recurved and Straight Cactus Dahlias*. Fully double flowers, with the margins of the majority of the floral rays revolute for one-half of their length or more, the floral rays being recurved or straight. For example, Ambassador.

CLASS IX. *Semi-cactus Dahlias*. Fully double flowers, with the margins of the majority of the floral rays revolute for less than one-half of their length. For example Edna Ferber, Francis Lobdell, Sunkiss, Alice Whittier.

CLASS X. *Formal Decorative Dahlias*. Fully double flowers, with the margins of the floral rays slightly or not at all revolute, floral rays generally broad, either pointed or rounded at tips, with outer floral rays tending to recurve and central floral rays tending to be cupped; all floral rays in a somewhat regular arrangement. For example, Sagamore, Jersey's Beauty, Regal, Glory of Monmouth, Trentonian, Mrs. I. de Ver Warner, and Judge Marean.

CLASS XI. *Informal Decorative Dahlias*. Fully double flowers, with margins of the floral rays slightly or not at all revolute, floral rays generally long, twisted or pointed, and usually irregular in arrangement. For example, Fort Monmouth, Jane Cowl, Barbara Redfern, Mrs. Alfred B. Seal, Insulinde, Kathleen Norris.

CLASS XII. *Ball Dahlias*. Fully double flowers, ball-shaped or slightly flattened, floral rays in spiral arrangement, blunt or rounded at tips and quilled or with markedly involute margins, the flowers more than three inches in diameter. For example, Gold Medal, Frank Smith, King of Shows.

CLASS XIII. *Miniature Dahlias*. All Dahlias which normally produce flowers that do not exceed four inches in diameter, pompons excluded, to be classified according to the foregoing definitions. For example, Little Jewel, Miniature Formal Decorative.

CLASS XIV. *Pompon Dahlias*. Having same characteristics as Ball Dahlias, but, for show purposes, not more than two inches in diameter. For example, Bell of Springfield, Nerissa.



EAGLE ROCK FANTASY (Top bloom)
LILAC GLORY
BOB WHITE



INFORMAL DECORATIVE DAHLIAS

EAGLE ROCK FANTASY (Broomall-Success 87), 1931, *Bloom 11 x 5, Bush 6 ft.* Imposing and beautiful in form and color. Huge broad florets tapering and tastefully notched at tips. Clear mallow pink or violet rose with silver shadings. The habits of this variety are ideal, the best of stems that are long and erect with the huge bloom set just right to look one straight in the face. The foliage is medium dark green and seems to be immune to insect attack. This dahlia was one of the most outstanding in our trial gardens this year.

Plants only, \$7.50

AZTEC GLORY (Broomall 86), *g e, Bloom 10 x 5, Bush 3½ ft.* We believe this to be the most spectacular yellow exhibition dahlia yet introduced. It is a clear picric yellow with deep, massive flowers of most artistic formation held on strong, erect stems. Foliage is glossy green, having somewhat the appearance of holly. Roots, \$2.00; Plants, \$1.00

THE LEMONADE (Ward 83), *g e, Bloom 9 x 4, Bush 5 ft.* Although we have a number of yellows, this dahlia is very popular because of its beauty, size, erect stems, good habit of growth and keeping qualities. Color, clear sulphur yellow. Roots, \$1.00; Plants, .50

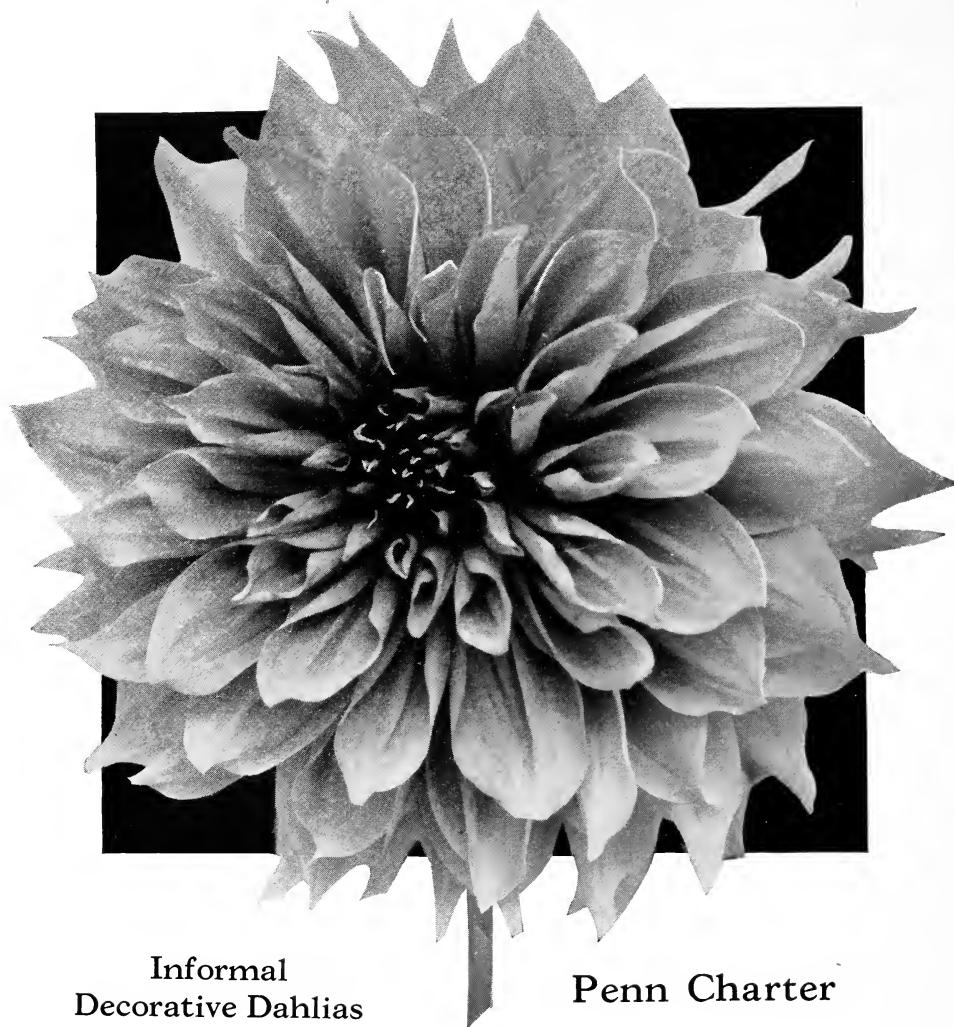
ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION



Another view of Dahlia Del Gold Medal Exhibit at Atlantic City



DAHLIADEL NURSERIES



Informal
Decorative Dahlias

Penn Charter

PENN CHARTER (Hall 85), 1930, *g e*, *Bloom 10 x 5, Bush 4½ ft.* A strong grower with heavy leathery foliage. Blooms have great depth and beauty. Rich gold, tinted with reddish apricot. Massive, graceful flowers are held on long stems. A bright spot in your garden or home. Roots, \$5.00; Plants, \$2.50

BAGDAD (Redfern 86), 1930, *g e*, *Bloom 10 x 4, Bush 6 ft.* This dahlia proved very satisfactory and promising for us. It is a beautiful brilliant scarlet flame of wonderful size. Good bush growth and a good bloomer. The long stems hold blooms high above the bush. Should be a popular winner in the showroom. Roots, \$7.50; Plants, \$3.75

CHAS. G. REED (Ballay 82), 1930, *g e*, *Bloom 9 x 4, Bush 4½ ft.* A rather unusual dahlia in regard to color, which is Burgundy with a lighter reverse, or it might be described as a purple or petunia red. Anyway, it is pretty. Bush is upright and healthy, stems strong and erect. It is a good garden variety as well as a prize winner. Roots, \$4.00; Plants, \$2.00



INFORMAL DECORATIVE DAHLIAS—Continued

CITY OF TRENTON (Prentice-DahliaDel 85), *g e, Bloom 10 x 4, Bush 6 ft.* This popular dahlia has made a host of friends and is still a winner on the exhibition table. In color it is bright apricot, suffused gold, showing considerable rose on the reverse. The bush grows strong and robust, producing flowers with perfectly full centres on long, erect stems. A dahlia that will go beyond your expectation. D. S. of N. J. Cert. Roots, \$2.00; Plants, \$1.00

ELIZA LONDON SHEPARD (Peacock 85), *1930, c g e, Bloom 9 x 4, Bush 5 ft.* The rich coloring of this dahlia makes it very attractive. Bright golden orange apricot so blended that it makes a one-tone spectacular flower. Blooms of good substance with full centres are borne on long, stiff stems. Strong, upright grower and free bloomer.

Roots, \$5.00; Plants, \$2.50

FORDHOOK EMPEROR (Burpee 85), *1930, g e, Bloom 9 x 4, Bush 3½ ft.* A glorious blending of rich salmon and rose, making a general effect of apricot. The healthy foliage, good substance of the bloom and the fine growing habits of this striking dahlia will make it a splendid addition to your garden, especially for low landscape effects.

Roots, \$2.50; Plants, \$1.25

FORDHOOK VICTORY (Burpee 80), *g, Bloom 8 x 4, Bush 4 ft.* Blooms are large and graceful, with full centres. Color, silvery Tyrian rose. Bush growth good, with heavy foliage. Stems fair.

\$1.00

J. D. TORBERT (Eastman 84), *1931, c g, Bloom 8 x 4½, Bush 6 ft.* This fine variety will produce a quantity of medium-sized blooms on long, wiry stems, making it admirable for garden or for cut flowers. Color, a combination of salmon apricot with flame and gold shadings. A. D. S. Certificate, 1930.

Roots, \$5.00; Plants, \$2.50

MRS. ALFRED B. SEAL (Seal 82), *1929, g e, Bloom 11 x 5, Bush 6 ft.* Color, pure glowing old rose or violet rose, but wonderfully lighted without shadings or suffusion. We know you will like it. It has size, too, for exhibition, but is a little late coming into bloom for sections with a short season. Disbud according to Drawing Z.

Roots, \$5.00; Plants, \$2.50

SANHICAN'S PEACH (F. & M. 80), *g e, Bloom 8½ x 4, Bush 4½ ft.* A charming, fluffy decorative. In color it is a reddish salmon with buttercup shadings, reminding one of a ripe California peach. Its attractiveness is further enhanced by the oddly twisted petals. Rich dark green foliage, upright stems and good habit of growth.

Roots, \$1.00; Plants, .50

SANHICAN'S QUEEN (F. & M. 85), *1929, c g e, Bloom 8 x 4, Bush 4½ ft.* Most unusual coloring. A blending of apricot with a faint blush of carmine rose deepening toward the tight centres, which are always full. Attractive blooms are held high above dark green foliage on straight, stiff stems. Good growing habits and good keeper.

Roots, \$2.00; Plants, \$1.00

VALENTINO (Boston 83), *c g e, Bloom 8 x 4, Bush 5 ft.* A dahlia, attractive in formation, which blooms prolifically on good stems and remains true to type throughout the season. The bush is an upright grower. Color, true salmon pink shading to cream at centre.

Roots, \$2.50; Plants, \$1.25

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

IRRIGATION versus CULTIVATION

We have always contended and recommended that the hoe was mightier than the hose, but the past year we thanked our lucky stars we had both. With over seventeen acres of irrigation for green plants and a big two-row power cultivator to take care of root stock through the drought, the dry weather did not affect us. We not only had nice flowers, but also a normal root crop of well-developed and ripened clumps, even better than last season, when the drought was not as severe.

Green plants need irrigation a season like we have just gone through, for with no root reserve to draw on when the bush suffers for water, root development is at a standstill, and this materially hampers the making of clumps as well as ripening them. Stock that has suffered from drought the past two seasons will most likely not have the vitality that a dahlia should have when grown normally.



DAHLIA DEL NURSERIES



Formal
Decorative Dahlias

Mary Ellen

MARY ELLEN (Loller 86), 1931, c g e, *Bloom 11 x 5, Bush 5½ ft.* Described as a seedling of Mrs. I. de Ver Warner, with the same habit of growth, which is a good recommendation. The color is a violet rose, with considerably more pink than lavender. Flowers attain wonderful exhibition size, and the growth has been far beyond expectation. Achievement Medal winner, Baltimore, 1930.

Roots, \$7.50; Plants, \$3.75



FORMAL DECORATIVE DAHLIAS—Continued

CARDINALIS (Jas. Kennedy 82), 1930, *g e, Bloom 8 x 3, Bush 5 ft.* True to its name, this dahlia is a brilliant cardinal red. An upright grower with good, long stems. Roots, \$5.00; Plants, \$2.50

FORT WASHINGTON (Rindfleisch-Jost 85), *g e, Bloom 10 x 4, Bush 7 ft.* The bushes as well as the flowers are giants with long, strong stems. A dark mahogany red which does not fade. The long run of popularity is certainly a tribute to this variety.

Roots, \$1.50; Plants, .75

MISS DELAWARE (Swift 82), *g e, Bloom 8 x 4, Bush 5 ft.* Flowers are of even formation of a clear, soft rose pink, shading lighter to the centre. An upright grower, dark, insect-resistant foliage, but should be disbudded according to Drawing Y for stems. Won A. D. S. Certificate, 1929.

Roots, \$5.00; Plants, \$2.50

MONMOUTH CHAMPION (Kemp), *g e, Bloom 11 x 4, Bush 5 1/2 ft.* One of the best of the '30 introductions of immense size. A strong, vigorous grower, producing beautiful exhibition blooms of a brilliant orange flame color. Perfect stems and insect-resistant foliage. A prize winner in all sections.

Roots, \$5.00; Plants, \$2.50

PRIDE OF CALIFORNIA (Lohrman 78), *c g, Bloom 6 x 3 1/2, Bush 5 1/2 ft.* A large crimson red shading darker at the centre, which is very full; petals notched. Profuse bloomer on good stems. .25

QUEEN OF THE GARDEN BEAUTIFUL (Burns 82), *g e, Bloom 10 x 4, Bush 4 1/2 ft.*

This distinctive and interesting dahlia originated in the famous garden of San Quentin Prison. An immense primrose yellow, facing upward on strong stems. An occasional bloom has a green centre, but is so massive that we easily overlook the imperfection.

Roots, \$1.00; Plants, .50

ROBERT SCOTT (Brock 80), *c g e, Bloom 8 x 3 1/2, Bush 5 ft.* This fine dahlia is of a bright apricot yellow with shades of rose. Flowers are large and deep, of good form, on excellent stems. The bush is of stocky growth. .75

SEAL'S CALIFORNIAN (Seal 84), 1929, *g e, Bloom 9 1/2 x 5, Bush 3 1/2 ft.* Broad petals, beautifully formed, with tiny petaloids of light yellow, give flowers an artistic break. Bright golden yellow at centre, shading lighter toward outer petals; tips are suffused very lightly with a bronze rosy pink. Held proudly on strong, cane-like stems. Roots, \$2.50; Plants, \$1.25

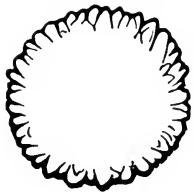
WATCHUNG SUNRISE (Smith 85), *g e, Bloom 8 x 4, Bush 6 ft.* This fine variety differs from the accompanying illustration, as the petals are somewhat curled or twisted. In color it is a golden amber, with the reverse of petals showing rose pink and each petal distinctly edged rose pink, making it very distinctive. Flowers are massive on strong, erect stems.

Roots, \$2.00; Plants, \$1.00

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION

Potash Fed Dahlias are doing their full share of winning in the big shows. Our aim is to produce stock with which our customers can win. There are thousands of people growing dahlias according to our cultural instructions and the reports of their success certainly are gratifying to us.

TRADE MARKS

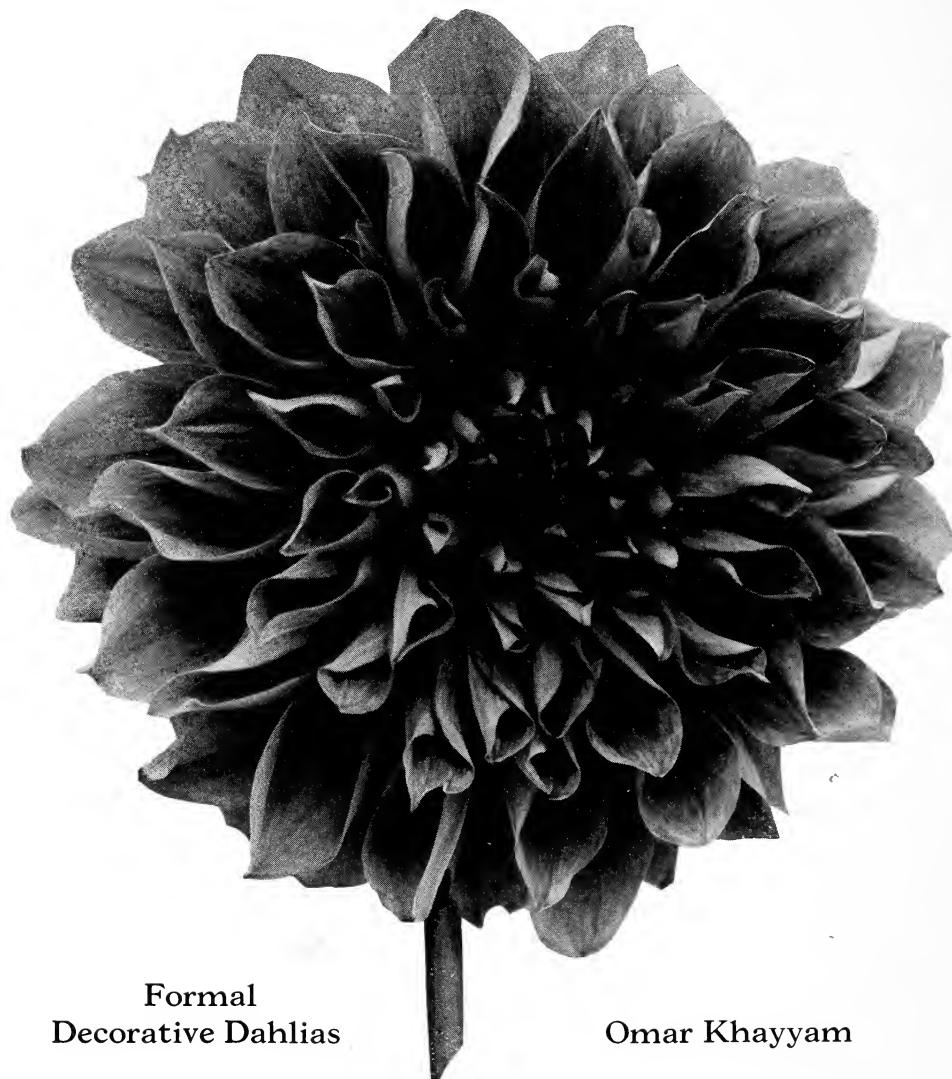


Potash Fed DAHLIAS

DAHLIADEL NURSERIES



DAHLIAEL NURSERIES



Formal
Decorative Dahlias

Omar Khayyam

OMAR KHAYYAM (Stout-Dahliael 86), 1931, c g e, *Bloom 11 x 5, Bush 6 ft.* This much-admired dahlia was certified with one of the highest scores at Storrs' Trial Grounds in 1930 and was recommended for certificate at the New Jersey Trial Grounds. The unusual coloring is a Chinese red at the base of the petals, shading to a bright orange and tipped lighter, making a wonderful soft color effect. It is a tall, healthy grower, with strong foliage and, incidentally, a good root maker. Omar Khayyam, Dwight Morrow, Thos. A. Edison and Treasure Island make up our four best exhibition dahlias, and they were featured in a number of our shows and decorations. They should be in every good collection. We are proud to have the privilege of introducing this fine dahlia for Miss Virginia Stout, of Short Hills, N. J. We classify this dahlia as a Formal Decorative, although the picture, which was taken late in the season, shows a number of petals of Informal formation.

Roots, \$7.50; Plants, \$3.75



FORMAL DECORATIVE DAHLIAS—Continued

CHAMPOEG (Crites-Kemp), 1931, *Bloom 9 x 4, Bush 5 ft.* The unusual coloring of Champoeg makes it an especially attractive flower. It is a waxy canary yellow at the centre and shades into a salmon pink, which deepens in cool weather. The backs of the petals are pale yellow. Strong, sturdy stems hold the flowers well above the rough, thick foliage. Blooms are produced early and freely. **Plants only, \$5.00**

EASTERN STAR (Dahliadel 83), *c g e, Bloom 8 x 4, Bush 5 ft.* Color, a saffron yellow with old gold shadings. Flowers of great substance and good keeping qualities, with full centres held on strong, erect stems. Excellent bush growth and free flowering. D. S. of N. J. Cert. **Roots, \$1.00; Plants, .50**

EL DORADO (Boston 80), *c g e, Bloom 8 x 4, Bush 4½ ft.* An all-purpose dahlia. Pure gold, deepening at the centre. Large, well-formed flowers held well above the foliage on good stems. A profuse and early bloomer. **.75**

ELIZA CLARK BULL (Boston 82), *g e, Bloom 8 x 4, Bush 4½ ft.* This white dahlia is an old-timer, but still a good seller. A free bloomer, of good form and substance that does not burn. Bush of medium height, with light green foliage. **Roots, \$1.50; Plants, .75**

JERSEY'S BEACON (Waite 85), *g e, Bloom 9 x 4, Bush 4½ ft.* The most spectacular of the Jersey family. Color, bright scarlet with a buff reflex, giving a two-tone effect. A free, early bloomer of extremely massive proportions with sturdy stems. **Roots, .50; Plants, .50**

JERSEY'S TRIUMPH (Waite 84), 1930, *c g e, Bloom 8 x 4, Bush 5 ft.* The rather unusual coloring of this dahlia gives it a place in a well-balanced collection. Color, bright copper, suffused salmon bronze. Stem, bush and growth are ideal, exactly like Jersey's Beauty. Centres full and deep. Won gold medal in Holland, 1931. **Roots, \$2.50; Plants, \$1.25**

This catalog goes into forty foreign countries, and we have shipped Potash Fed Dahlias into nineteen of these. We have had glowing reports of The World and Treasure Island from different parts of Europe. Treasure Island has made us more friends than any dahlia we have ever introduced. We believe this is because it responds to any climate in which a dahlia does well and seems to top the list on withstanding hardships.

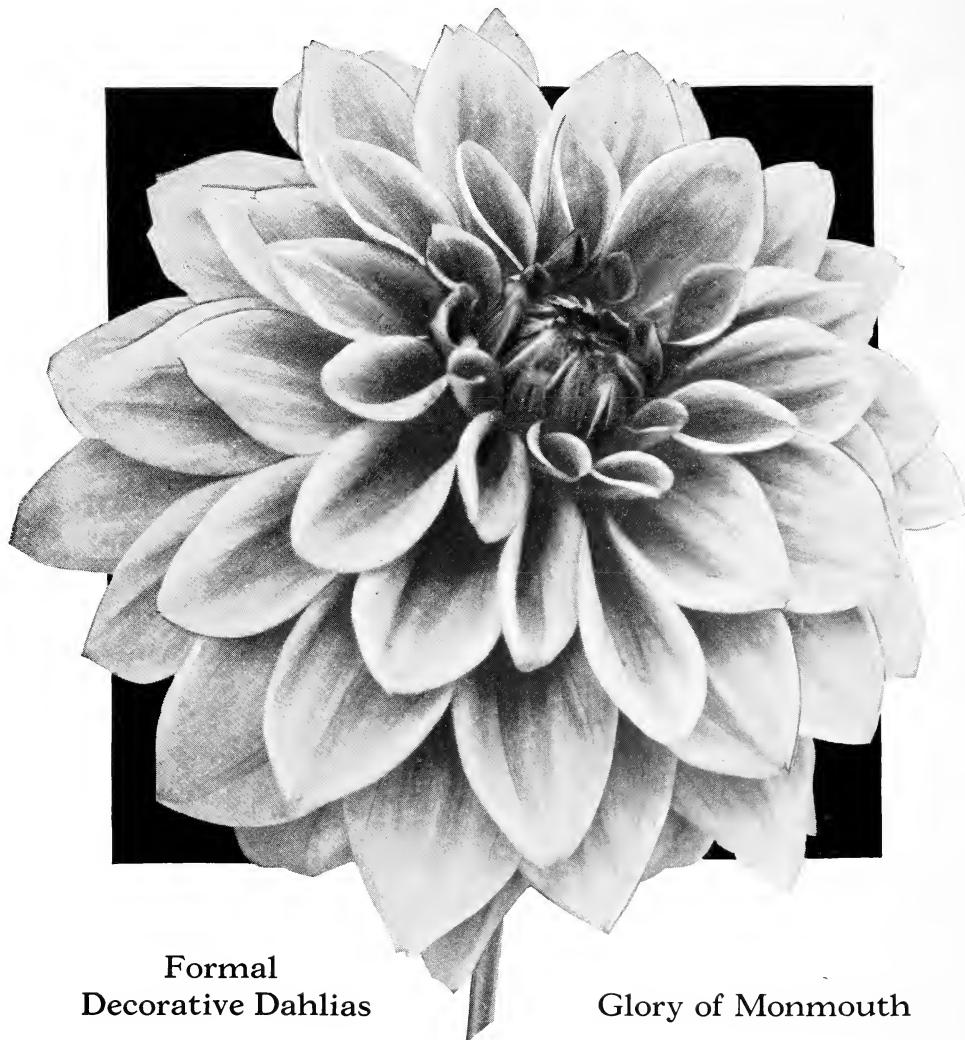


DAHLIADEL NURSERIES

If you have never had the pleasure of visiting our trial grounds, you should see them during September or October, when a wealth of blooms and a riot of color beckon a welcome at Dahliadel Nurseries. Old and new friends always welcome.



DAHLIADEL NURSERIES



Formal
Decorative Dahlias

Glory of Monmouth

GLORY OF MONMOUTH (Kemp 85), *g e, Bloom 8 x 5, Bush 5 ft.* A beautiful salmon pink with light orange at the base of petals. The bush is of rather compact branching habit, literally covered with blooms, making it a beautiful specimen. Flowers are of a heavy texture produced on long, sturdy stems. Good substance and artistic coloring make it a wonderful dahlia.
Roots, \$1.00; Plants, .50

BUCKEYE BRIDE (Roberts Peck 85), *c g e, Bloom 8 x 5, Bush 6 ft.* This impressive flower was one of the favorites in our trial grounds. The bush is a tall, upright grower. It is an early and continuous bloomer on long, erect stems. Color, a distinctive even shade of salmon pink. In all, it is a wonderful dahlia.
Roots, \$4.00; Plants, \$2.00

CHAMPAGNE (Boston 83), *g e, Bloom 8 x 4, Bush 6 ft.* A popular dahlia in the autumn shades. Color, golden champagne with chamois shadings. A good grower and free bloomer on erect stems.
.75



FORMAL DECORATIVE DAHLIAS—Continued

DR. JOHN CARMAN (Dixon 85), 1929, *c g e*, *Bloom 11 x 5, Bush 5 ft.* A dahlia you will admire, as it is large and attractive, but not coarse. Color, Tyrian rose, shaded silver. Greatly improved if grown in partial shade, as this softens the coloring. A dahlia of exceptional growing and blooming qualities suitable for landscape work, and a good keeper when cut. *Roots, \$2.50; Bush, \$1.25*

ELEANOR REED (Reed 80), *g e*, *Bloom 8 x 4, Bush 4 ft.* A free bloomer on good stems. Needs little disbudding or pruning. Flowers full and of even form. Color, deep mauve rose. *\$1.00*

FRAZIER (Peacock 85), 1931, *c g e*, *Bloom 8 x 4, Bush 3 1/2 ft.* The bushes of this variety are rather dwarfed, but it is a free, continuous bloomer on rigid stems. The flowers are Formal Decorative, facing to upright. Color a rich glowing Oriental red, tipped yellow, with yellow at the base of petals. It is an exceptionally good keeper when cut, and is very showy. *Roots, \$3.00; Plants, \$1.50*

HARRY MAYER (Reed 82), *g e*, *Bloom 9 x 4, Bush 4 ft.* A fine exhibition dahlia that holds an even, full centre, has size, depth and strong stem. Bush grows sturdy but rather compact. Color, beautiful silvery pink with a rose pink reverse. An attractive and satisfactory dahlia. *Roots, \$1.00; Plants, .50*

JANE HALL (Peacock 83), *c g*, *Bloom 6 x 4, Bush 4 1/2 ft.* A full, high-centred decorative with petals reflexing to stem and keeping well when cut. Blooms well above the foliage on stout stems. Color, buff yellow with bronzy suffusion. *.50*

JUDGE LEON McCORD (Boston 84), 1929, *g e*, *Bloom 8 x 5, Bush 5 ft.* An enormous, regular-formed dahlia of the deepest shade of gold, with a reverse of old gold. Stems are upright, long and stiff, holding blooms well above foliage. It keeps well on the bush or when cut. Profuse bloomer. *Roots, \$5.00; Plants, \$2.50*

KEMP'S LAVENDER (Kemp 83), *g e*, *Bloom 7 1/2 x 4, Bush 5 ft.* Another free-blooming variety of regular form and good substance. The violet mauve flowers are large with full centres. *.75*

M. H. de YOUNG (Boston 84), *c g e*, *Bloom 7 x 4, Bush 5 ft.* Pure gold, with the centre illuminated with a brighter shade. Blooms are held high on stiff stems well above the foliage. An excellent autumn shade cut flower or exhibition variety. *.75*

MORDELLA (Kemp 75), *g e*, *Bloom 9 x 4, Bush 7 ft.* Apricot buff, beautiful under artificial light. Flowers are large and gracefully formed on long stems. *.50*

ROMAN EAGLE (F. & M. 82), *c g e*, *Bloom 10 x 3, Bush 5 ft.* This popular dahlia is an uncommon autumn shade decorative of a brilliant burnished copper. A dahlia that does exceptionally well in medium to light soil. D. S. of N. J. Cert. A real winner on the exhibition table. *.75*

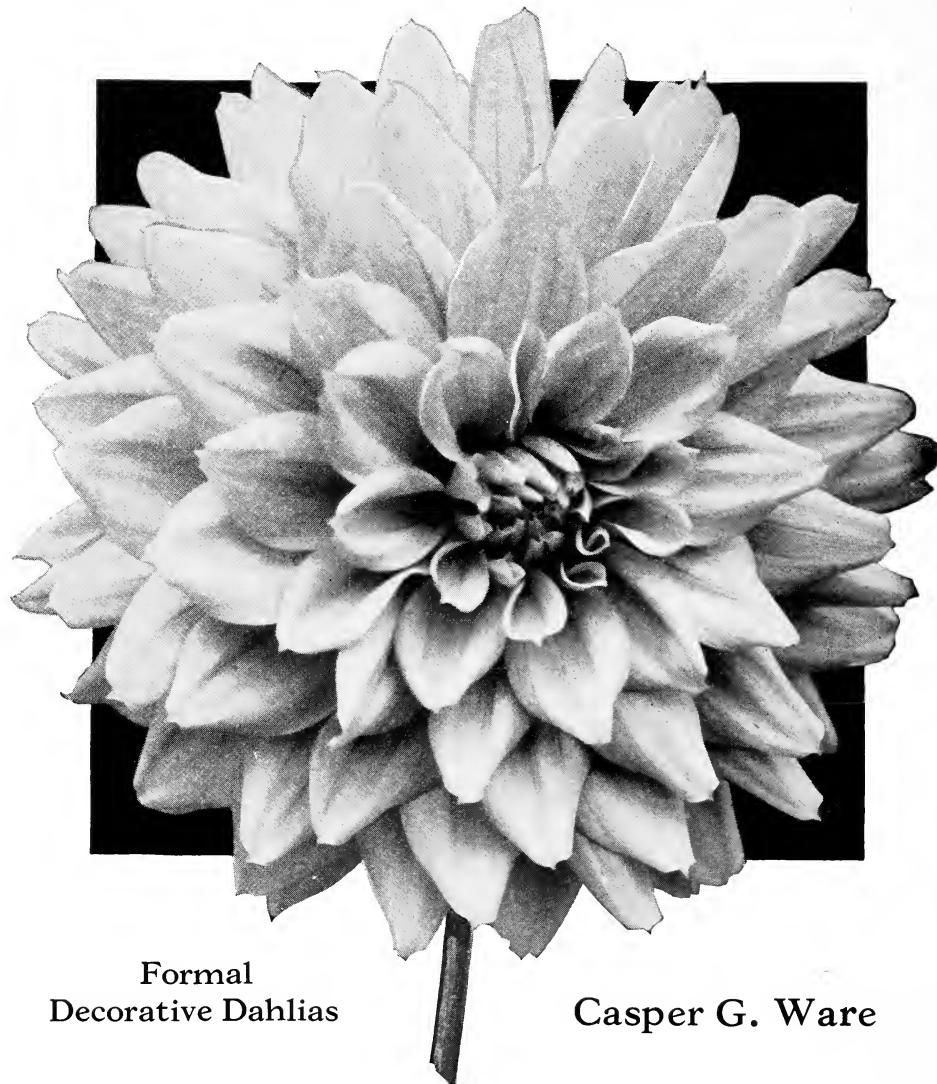
SALEM PRIDE (Sickler 83), 1929, *g e*, *Bloom 10 x 5, Bush 4 ft.* A rather spectacular dahlia. Color, reddish violet, suffused, streaked and lightly tipped white. Blooms are large and deep on good stems when disbudded. Bush rather compact and of nice growth for the front of your garden. *Roots, \$3.00; Plants, \$1.50*

TREASURE ISLAND (Dahliadel 88), *c g e*, *Bloom 10 x 5, Bush 5 ft.* One of our brightest autumn shade dahlias. Color, bright apricot with gold and rose suffusion and shadings. Bush growth is strong, branches readily from the ground, giving four-foot stems. It has been a wonderful success wherever grown, especially where most varieties fail in a dry season this variety withstands all tests. Disbud for first six blooms according to Drawing Y, for the balance of the season according to Drawing X. This will bring the bush up to five or more feet and the side branches will come to about the same height. This dahlia is becoming more popular each year and is a real winner on the exhibition table. Very desirable when not disbudded for a mass of color in landscape work. *Roots, \$2.50; Plants, \$1.25*

W. H. T. (McCarrol Schling 85), 1930, *g e*, *Bloom 10 x 5, Bush 6 ft.* This pleasing variety is a shade not common in big dahlias, rich old rose or begonia rose with mauve shadings on the reverse of petals. It is a tall robust grower with strong stems. Petals are thick and of great substance, opening back to the stem, which is a very desirable feature in a dahlia of this type. *Roots, \$5.00; Plants, \$2.50*



DAHLIADEL NURSERIES



Formal
Decorative Dahlias

Casper G. Ware

CASPER G. WARE (Bowen-Dahliadel 83), *c g e*, *Bloom 8 x 4, Bush 4 ft.* When grown naturally without disbudding you have an ideal flower for bedding or hedge effect, with a mass of blooms throughout the season. For exhibition or cut flowers, prune out, leaving only four to eight shoots, and by disbudding you will have blooms up to ten inches in diameter, with full centres, until frost. Has wonderful keeping qualities. Color, a pleasing shade of bright silvery violet rose. D. S. of N. J. Cert. Roots, .75; Plants, .50

AVALON (Broomall 80), *c g e*, *Bloom 7 x 3, Bush 5 ft.* This dahlia is a good root maker. Color, pure canary yellow. Long, erect stems under normal culture, but excessive water and manure will produce weak stems. Thinning out and disbudding is advisable shortly after topping. .50

KATHERINE COLE (McDowell-Waite 83), *Bloom 7 x 3 1/2, Bush 5 ft.* It is a free-blooming variety with healthy foliage. Stems are long and strong. Cream, suffused light pink, and tipped lilac rose. Roots, \$3.00; Plants, \$1.50

FORMAL DECORATIVE DAHLIAS—Continued

MARIE (Peacock 81), 1930, *g e*, *Bloom 6 x 3, Bush 3 ft.* A compact grower, suitable for landscape or bedding. Color, soft pastel pink, shading lighter at tips. Blooms are produced freely on strong, straight stems. A splendid keeper when cut. **Roots, \$1.50; Plants, .75**

MONMOUTH JEWEL (Kemp 81), *g e*, *Bloom 8 x 3, Bush 6 1/2 ft.* A seedling of Amun Ra. Color, bitter-sweet orange, shading lemon chrome at base of petals. Large, well-formed flowers held well above the foliage on strong, stiff stems. Plants are strong and healthy growers, resistant to leaf-hoppers. **.50**

MR. CROWLEY (Broomall 77), *g*, *Bloom 6 1/2 x 3, Bush 4 1/2 ft.* A bright-colored garden dahlia of glowing salmon pink with base of petals yellow. Although a compact grower, good stems can be produced by disbudding. Fine for color effect when grown naturally. **.50**

MRS. I. DE VER WARNER (Marean 84), *c g e*, *Bloom 10 x 3, Bush 6 ft.* No dahlia planting should be without this universal favorite. Color, a clear, bright lilac rose. The plant is a strong open grower, and the giant flowers can be produced on stems up to 5 feet in length by pruning and disbudding. **.35**

RISING SUN (DeWilde 85), 1931, *Bloom 8 x 3 1/2, Bush 4 1/2 ft.* A very much admired and attractive variety. Color, sunflower yellow shaded and suffused fire red. Stems are strong and erect, holding the flowers facing partially upright. Not one of the largest flowers, but very pleasing in color effect. **Roots, \$5.00; Plants, \$2.50**

UNCLE TOM (Reed-Adams 83), *g e*, *Bloom 7 1/2 x 3, Bush 5 1/2 ft.* A deep garnet, almost black, yet rich and artistic. Flowers are good keepers, held erect on strong stems. A color needed in your collection. **.75**

YELLOW BEAUTY (Wood), 1929, *c g e*, *Bloom 7 x 4, Bush 6 ft.* A yellow dahlia resembling Jersey's Beauty, with similar characteristics of growth. Good commercial and exhibition dahlias with slender, but stiff stems, always holding flowers erect. **Roots, \$2.50; Plants, \$1.25**

ALL THE ABOVE VARIETIES ARE THE SAME FORM AS ILLUSTRATION



THE WORLD

THE WORLD (DahliaDel 85), 1929, *c g e*, *Bloom 9 x 4 1/2, Bush 5 ft.* The coloring is an unusually rich, deep, rosy magenta, overlaid garnet, with silver shadings on edges of petals. A rich and beautiful combination of colors. Perfect, full centres. Stems are strong and erect. Foliage is thick and leathery. A good sturdy grower and a real prize winner that has gone far ahead of expectations. This dahlia has good substance, but it is best not to let it bloom in the extreme hot weather, but cut back for blooms in cool weather, when the color will be as described.

Roots, \$2.50; Plants, \$1.25



DAHLIADEL NURSERIES



Formal
Decorative Dahlias

Old Hickory

OLD HICKORY (Dahliadel 85), *c g e*, *Bloom 7 x 5, Bush 3½ ft.* The dahlia that is easy to grow. A rough-and-ready, rugged plant, semi-dwarf with each branch bearing a large bloom which is almost a ball with centers always full. Stems are ideal for basket arrangement, and the blooms are wonderful keepers. Color, madder red with apricot suffusions.

Roots, \$2.00; Plants, \$1.00

ELITE GLORY (Kennedy 83), *g e*, *Bloom 10 x 4, Bush 4½ ft.* A dahlia that has had a long run of popularity and is still good. Color, rich red. Blooms large, of good form and substance and held erect on strong stems.

Roots, \$1.00; Plants, .50



FORMAL DECORATIVE DAHLIAS—Continued

FAITH GARIBALDI (Boston 83), *g e, Bloom 9 x 3, Bush 5 ft.* This large exhibition dahlia is a deep rose, suffused mauve, shading lighter on outer petals, held on good stems. A strong grower and free bloomer. .75

FORDHOOK MARVEL (Burpee 80), **1929, g e, Bloom 8 x 4, Bush 5½ ft.** Lovely salmon shading to reddish copper. This dahlia is a strong, healthy grower with large, heavy foliage. Roots, \$2.50; Plants, \$1.25

GOLD IMPERIAL (Hall 82), **1930, g e, Bloom 8 x 3, Bush 3 ft.** Color, gold with just a tint of lavender on reverse. Petals heavy, with a waxy appearance. Deep, graceful flowers with high, perfect centres. Vigorous grower. Won gold medal at Camden for best Undisseminated Seedling, 1929. Roots, \$5.00; Plants, \$2.50

GRACE (Bibbs 87), **1929, c g e, Bloom 6 x 2½, Bush 6 ft.** This dahlia will remind you a lot of Jersey's Beauty in form, not quite as deep a flower, but will give you twice as many blooms. It might be called a blooming fool, from early to late with centres perfectly full, stems long and stiff, but not clumsy. Color, pure white tipped and suffused lavender. As a cut flower it is going to be a money-maker. Roots, \$2.50; Plants, \$1.25

IDA PERKINS (Montrose 85), **c g e, Bloom 8 x 4, Bush 5½ ft.** One of our best all-around white dahlias, of fine form, with full centres, on erect stems. A good keeper when cut. Blooms early and continuously. Dark, leathery foliage. Roots, \$1.50; Plants, .75

JERSEY'S BEAUTY (Waite 87), **c g e, Bloom 6 x 4, Bush 6½ ft.** Probably the most popular of any dahlia, especially as a cut flower. The ideal pink for exhibition or florist use. Large, deep flowers of perfect form on long stems. Free, early bloomer, with exceptional keeping qualities. Roots, .50; Plants, .50

KENTUCKY (Castlewood 87), **1929, c g e, Bloom 7 x 5, Bush 6 ft.** This dahlia has the same ideal characteristics as Jersey's Beauty, of which it is a sport, and apparently a stronger grower. Its color is the Jersey Beauty's pink, with a lot of yellow and gold blended in, making it more of a salmon pink. Good for cutting. Roots, \$2.00; Plants, \$1.00

MARDI GRAS (Diggle 80), **1929, g e, Bloom 9 x 4, Bush 7 ft.** A bold flower of the American Beauty shade. Blooms are held on long stems well above the foliage. Bush tall and rugged and stands good culture. Roots, \$2.50; Plants, \$1.25

MARGARET MASSON (F. & M. 80), **g e, Bloom 8 x 3½, Bush 4½ ft.** A beautiful silvery pink of regular form. It is an excellent keeper, and flowers are produced abundantly on stiff stems. For a mass of color from early to late this dahlia is a good old standby. .75

MR. C. H. DRESSELHUYSEN (Sluis & Groot 79), **c g, Bloom 6 x 2½, Bush 5 ft.** Popular with the commercial grower because of its productiveness and keeping qualities. Medium-sized blooms on long stems. Similar to Delice in color. Soft rose pink shading lighter. .35

PRES. WILSON (Jones 80), **g, Bloom 7½ x 3½, Bush 4½ ft.** One of the most striking variegated dahlias. Crimson carmine tipped white; a few flowers all red. Bush dwarf; flowers numerous on good stems. Its one fault—a poor root maker. Roots, \$1.00; Plants, .50

SAGAMORE (Kirby 84), **c g e, Bloom 7 x 3½, Bush 5½ ft.** This dahlia is a wonderful commercial and exhibition variety. Color, amber gold, elusively shaded with a warm salmon rose and orange buff. An open, strong grower with good stems, of uniform large size. .50

SALBACH'S WHITE (Salbach 83), **c g e, Bloom 8 x 3, Bush 6 ft.** We have in this variety an ivory white dahlia of good substance and keeping qualities, borne on long, stiff stems. \$1.00

SNOWDRIFT (Broomall 75), **g, Bloom 9 x 3, Bush 4½ ft.** Large pure white with broad, rather flat waxy petals. Has a good stem by disbudding. A good bloomer and easy to grow. .50

SPOTSWOOD BEAUTY (85), **c g e, Bloom 8 x 4, Bush 5 ft.** A beautiful soft combination of shrimp pink, with yellow shadings at the base of petals. Flowers are of good form on long, erect stems, well above the foliage. Plants are strong, healthy growers of good branching habits. Roots, \$1.50; Plants, .75



DAHLIADEL NURSERIES



Ball Dahlias

Jayseedee

JAYSEEDEE (Draude 86), *g e, Bloom 4½ x 3½, Bush 4½ ft.* A beautiful ball-shaped dahlia of soft reddish violet striped and speckled rich deep red. A perfect ball. Bush compact, but fine stems can be produced by disbudding. A winner on the exhibition table. **Plants, \$1.00**

CARL OWEN (Dahliadel 83), *g e, Bloom 5 x 3½, Bush 5 ft.* Rich, non-fading carmine red. Flowers good form on erect stems. A favorite of its type. **.50**

DRAUDE (Draude 79), *g e, Bloom 5 x 4, Bush 4½ ft.* The finest dark red ball dahlia of perfect form. Bush rather dwarf with nodes very close; requires disbudding to produce long stems. **.50**

JERSEY'S BEACON BALL (Peacock), *Bloom 5 x 4, Bush 3½ ft.* Color, early in the season, geranium scarlet with buff reflex, but as the season advances, softens into a scarlet orange and finally a brilliant orange. It is of regular form, the outer petals reflex to the stem, forming a ball with a full, high centre. The plant is a strong, vigorous grower and is an early and profuse bloomer on splendid stems. This dahlia may not classify as a ball at all shows, as it can be called a ball-shaped Formal Decorative. **Roots, \$1.00; Plants, .50**

MARY HELEN (Alling 84), *1931, g e, Bloom 4½ x 3½, Bush 5 ft.* New ball dahlias are welcome, as we have so few good ones. Color, deep canary yellow. The plants are vigorous and produce quantities of well-formed blooms on good stems. **Roots, \$1.50; Plants, .75**



Peony Dahlias

Dahliadel Glory

DAHLIADEL GLORY (Dahliadel 82), *g e, Bloom 8 x 3, Bush 4 1/2 ft.* This fine dahlia has a very artistic formation of broad, heavy petals, with a beautiful whirl centre, on long, erect stems. A wonderful color blending of scarlet tipped reddish apricot, giving a henna effect.

Roots, \$1.00; Plants, .50

DRUM MAJOR (Derre 82), *g e, Bloom 8 x 2 1/2, Bush 4 ft.* A rich, fiery red with a lemon yellow centre and petals more or less tipped and marked yellow. A bright and showy variety in the garden. .75

MRS. FRANCES E. BULLARD (Broomall 83), *g e, Bloom 9 x 4, Bush 4 1/2 ft.* This is the largest peony in our list. The petals are long, pointed and gracefully twisted, forming a very distinct flower of a clear silver or pastel pink, shading lighter at the centre. First blooms usually come with full centres. Free, early and profuse bloomer on strong stems. .75

THE U. S. A. (Stillman 80), *g e, Bloom 8 x 4, Bush 5 ft.* An old dahlia but a good seller. It is a peony dahlia, but in general form it resembles the picture of Jane Cowl. Color, a vivid orange. An early, free bloomer. .75



DAHLIADEL NURSERIES



MINIATURE DAHLIAS

COURONNE, Min. FD. This is one of the most dependable of all the miniature dahlias. Fairly free-blooming, with fully double white flowers resembling a gardenia in form and appearance. **Plants, \$1.00**

JUDITH, Min. Peony, c g e, Bloom 3, Bush 4 ft. Soft cardinal. This is an early, free-blooming variety on nice slender stems. Pretty in the garden or for arrangements. Blooms usually have three rows of petals. **Plants, \$1.00**

LITTLE JEWEL (Papendrecht 85), **Min. FD, c g, Bloom 2 x 1, Bush 3 ft.** Popular as a cut flower, especially for decorations. Color, a pleasing peach blossom pink. This dahlia is not a seedling, but a sport of Delice and very similar in color. **Roots, .50**

MAC, Min. Peony, Bloom 4, Bush 3 ft. A very pretty autumn combination of coppery orange, shading to salmon at tips. **Plants, \$1.00**

PINK PEARL (English), **Min. Peony or Charm Dahlia.** Lovely rose pink, showing a golden eye. Petals are waved and twist like an aster flower. One of the most floriferous of all the charm dahlias. Plants about 3 feet tall, always a mass of bloom. **Plants, \$1.00**

RHODA, Min. Peony, Bloom 3½, Bush 2 ft. Buttercup yellow, shaded russet orange. Very early and free flowering. **Plants, \$1.00**

MINIATURE DAHLIA SEED

We can supply mixed seed from miniatures. \$1.00 a packet



ORCHID FLOWERING DAHLIAS

This fine new race hails from Scotland and is certainly due great popularity for landscape effect, gardens, table arrangements and dainty decorations. The bushes are compact, free branching and exceedingly prolific bloomers. Most of them are 4 to 5 inches in diameter and 2 to 3 feet in height. They do wonderfully well when pinched or cut back for landscape effect, but should not be thinned out nor disbudded. If orchid flowering or single dahlias are cut before the pollen shows they will hold their petals and keep for days.

CITRONELLA. Clear canary yellow ground with crimson carmine reverse. A charming flower.

EVEREST. Pure white throughout. Long, graceful recurving florets. Good size.

GOLDFINCH. Not a profuse bloomer, but very showy. Yellow ground, shaded red, with crimson reverse.

LEOPARD. Yellowish ground, with crimson reverse spotted lighter.

MAVIS. Light lilac ground, with deep reddish purple reverse.

POLLY. Sunflower yellow ground. Carmine lake reverse.

RUBY. Light ground shaded with Tyrian rose. Deep Tyrian rose reverse.

STARFISH. Pale lilac ground, suffused Tyrian rose, with deep rosy magenta reverse.

Plants, \$1.00 each; \$10.00 per dozen

Collection of 1 plant each, 8 varieties, \$6.50

ORCHID FLOWERING DAHLIA SEED

We can supply a limited amount of mixed seed from the above-named varieties. \$1.00 a packet.



DAHLIAEL NURSERIES



Arrangement of Anemone, Single, Collarette and Cactus Dahlias

ANEMONE DAHLIAS

ADA FINCH (Wouters 83), *g, Bloom 3½, Bush 2½ ft.* A fine bedding or border dahlia, free, early and profuse. This creamy white flower differs from the Century type by having small quilled petals of the same color covering the entire centre. .50

COLLARETTE DAHLIAS

GEANT DE LYON (Vilmore 89), *g e, Bloom 5, Bush 4 ft.* Rich, velvety carmine maroon, with long, cream color petals. Free, early flowering on erect stems. The prettiest of all collarette dahlias. Roots, \$1.00; Plants, .50

DOUBLE DAHLIA SEED

Owing to a long growing season, we are again pleased to offer a fine collection of Jersey Grown Seed. This is saved from the best varieties in our trial patch and contains no seed other than that from the decorative and cactus types. This seed should give you a good percentage of double blooms, but, being in mixture, there is no guarantee. 35 seed, \$1.00 a packet; 100 seed, \$2.50.

SINGLE DAHLIA SEED

SEED of single dahlias will produce a great number of seedlings true to type and can be used very satisfactorily for a mass of mixed colors. They should be planted rather close for this effect. 50 mixed seed, \$.40 a packet.

Seed of other types are described on pages 54, 55 and 59.



Single Dahlias

AUTUMN CENTURY (Bassett 76), *g, Bloom 4½, Bush 5 ft.* A beautiful autumn tint, delicate madder lake, shading yellow at centre. .25

DAHLIADEL CENTURY (Dahliadel 80), *g, Bloom 5, Bush 5 ft.* It is all that can be asked for in a white single dahlia. Its size, form, habit of growth, productiveness and clear, pure white color put it far ahead of anything else. .25

DORIS. A brilliant carmine, heavily tipped pure white. Very distinct and striking. .35

FRAGRANCE (Peacock), *g e, Bloom 2½, Bush 2 ft.* A very attractive and artistic bi-color. Petals are pure white, with a broad margin of bright carmine. This makes an ideal border variety, as the stems are slender but erect, and the foliage is fernlike or serrated. **Plants**, .50

GARNET POINSETTIA (Peacock 84), 1929, *g e, Bloom 7, Bush 6 ft.* Rich, glowing garnet with a brilliant, glistening sheen. Large blooms of poinsettia form are held on long, stiff stems on strong plants, producing profusely. .50

JAMES WELLER (Peacock 82), *g e, Bloom 6, Bush 5½ ft.* Effective because of its color combination of rich golden yellow with central zone of each petal soft rosy red. Large, well-formed blooms are held erect on long, stiff stems. Early and continuous blooms. .50

NEWPORT WONDER (Robertson 84), *g, Bloom 6, Bush 5½ ft.* A very popular and artistic dahlia. Petals pointed and slightly twisted. Color, rose pink with a gold suffusion. .50

PURITY (Peacock 84), *g e, Bloom 7, Bush 6 ft.* Pure white, perfectly formed, on long, stiff stems. Petals are broad and heavy and slightly recurved. A good grower and bloomer. .50

SCARLET CENTURY (Peacock 80), *g e, Bloom 5, Bush 5 ft.* Bright, glowing scarlet on erect stems. Good grower, free bloomer, with petals evenly placed. .25

TANGO (Dahliadel 79), *g, Bloom 5½, Bush 6 ft.* A lively autumn tint, cadmium yellow, shaded scarlet orange. .25



ANEMONE

SINGLE

COLLARETTE



POMPON DAHLIAS

AIMEE (Boston 85), <i>c g e</i> , <i>Bloom 1 1/4, Bush 2 1/2 ft.</i>	A popular tiny orange cadmium shaded apricot, on long stems.	.35
ATOM (Edymel 88), <i>c g e</i> , <i>Bloom 1 1/4, Bush 2 ft.</i>	One of the best early and profuse bloomers.	.50
BOB WHITE (Dahliadel 89), 1930, <i>c g e</i> , <i>Bloom 1 1/2, Bush 2 ft.</i>	This dahlia can best be described as a white Johnny. It is milk white, having just a cast of yellow when opening. Bush is low and spreading, with blooms on long stems, literally all over the bush, making it ideal for bedding as well as the right form for exhibiting, for it is as deep as its diameter.	.50
BRONZE BEAUTY (78), <i>c g</i> , <i>Bloom 1 1/4, Bush 3 ft.</i>	Beautiful golden apricot; a free bloomer, good for cutting.	.25
DARKSOME (Alexander 80), <i>g e</i> , <i>Bloom 1 3/4, Bush 4 1/2 ft.</i>	One of the best real dark red or maroon.	.35
DEE DEE (Estes 85), <i>c g e</i> , <i>Bloom 1 1/4, Bush 3 1/2 ft.</i>	One of the daintiest and smallest. Pale lilac, fine for exhibition.	.35
DOT (Dahliadel 89), 1930, <i>c g e</i> , <i>Bloom 1 1/2, Bush 3 ft.</i>	We have here a pure white pom on perfect stems, a strong grower, early bloomer and a beautiful bush in bloom. This is the best all-around Pompon you can grow. Bob White will probably win on the exhibition table, where the smallest perfect bloom reigns supreme, but as a cut flower for decorating or in the garden, Dot is the best so far introduced.	.75
ELIZABETH (82), <i>g e</i> , <i>Bloom 1 1/2, Bush 2 1/2 ft.</i>	Lemon yellow, heavily tipped carmine. Fine form and good stems.	.50
EUREKA (82), <i>g e</i> , <i>Bloom 1 3/4, Bush 3 ft.</i>	Yellow cadmium with carmine shadings at tips with occasional white petals. Some flowers all-white. Can be rightly called variegated.	.35
GERTRUDE (Salbach 85), <i>c g e</i> , <i>Bloom 1 1/2, Bush 3 ft.</i>	One of the brightest dahlias grown. Color, glowing carmine, of good form on good stems.	.50
HAZEL , <i>c g</i> , <i>Bloom 1 1/2, Bush 3 ft.</i>	A buff, deepening to brown. Fine form and small.	.35

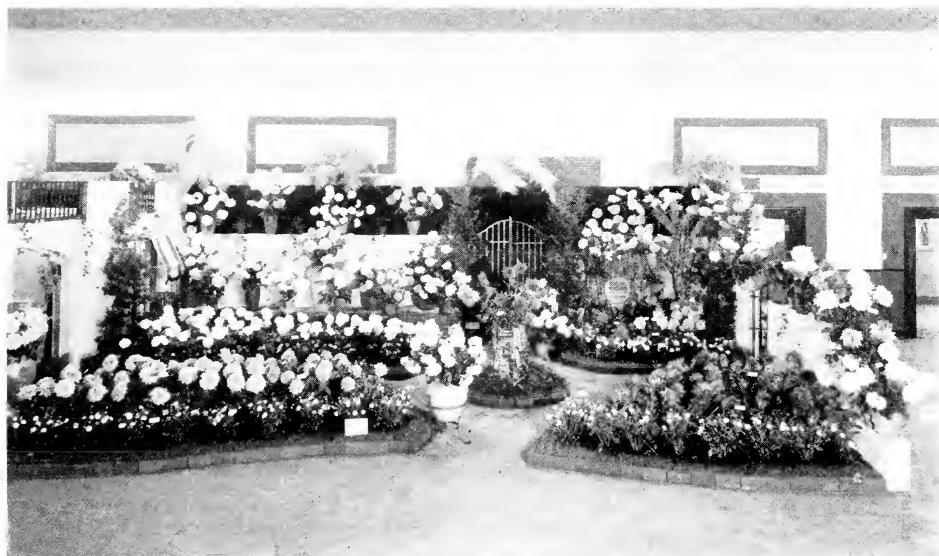


POMPON DAHLIAS—Continued

JOHNNY (89), <i>g e, Bloom 1 1/4, Bush 3 ft.</i>	The most perfect and smallest dark red or maroon dahlia grown.	.50
KATHLEEN , <i>c g e, Bloom 1 3/4, Bush 3 ft.</i>	A soft Tyrian rose. Good bloomer.	.35
KLEINE DOMITEA (78), <i>c g e, Bloom 1 3/4, Bush 3 ft.</i>	Bright orange buff. A good grower and early bloomer.	.25
LITTLE BELLE (78), <i>c g, Bloom 1 1/2, Bush 4 1/2 ft.</i>	Very fine mauve pink with long and erect stems.	.25
LITTLE EDITH (90), <i>c g e, Bloom 1 1/4, Bush 2 1/2 ft.</i>	As perfect a pom as you can wish for. Color, primrose yellow, tipped bright carmine.	.50
MIDGET (West 80), <i>c g e, Bloom 1 1/2, Bush 3 ft.</i>	Salmon suffused with violet. Good form.	.50
MIKE (Boston), <i>c g e, Bloom 1 1/2, Bush 2 1/2 ft.</i>	Color, burnt orange, shading lighter at the outer petals. Attractive and a profuse bloomer.	.50
NEATNESS (West 77), <i>g, Bloom 1 3/4, Bush 2 ft.</i>	Light amber centre, shading to salmon pink.	.50
ROSEA (Keynes 84), <i>c g e, Bloom 1 3/4, Bush 2 1/2 ft.</i>	Perfect form for exhibition. Rosy lavender. Small and distinctive.	.50
SNOWCLAD (80), <i>c g e, Bloom 1 1/2, Bush 3 ft.</i>	One of the best all-around pure whites. Free, early bloomer.	.25
SUNNY DAYBREAK (Keynes 87), <i>c g e, Bloom 1 1/2, Bush 2 1/2 ft.</i>	Lemon yellow, heavily tipped cardinal. Flowers of good form.	.50
YELLOW GEM (McWhirter 83), <i>c g e, Bloom 1 1/2, Bush 3 ft.</i>	Clear canary yellow, of fine form.	.35

Pompon Dahlia Seed

We can supply mixed pompon seed, saved from our best varieties. This will give you a large percentage of pompon dahlias. 35 seed, \$.40 a packet.



DahliaDel Display at the First National Flower and Garden Pageant, Atlantic City, 1930.



DAHLIA GROWERS' SUPPLIES

DAHLIADEL PLANT FOOD—Made especially for dahlias, of the highest grade materials, for the production of fine flowers and strong roots, and so blended to have a balanced food available as needed by the plant. Good also for all outdoor flowers and vegetables. A very economical fertilizer.

Directions: Spring application, 3 to 6 lbs. to each 100 square feet. August application, 3 to 4 lbs. This may be divided into three applications, but not over 10 lbs. to ten hills should be applied during a season.

Price, F. O. B. factory in Philadelphia, 50 lbs., \$2.75; 100 lbs., \$5.00; 200 lbs., \$9.00; ton, \$75.00. We can ship in the States of New Jersey, Pennsylvania and Delaware only, as our brand is registered in these states.

POTASH (Muriate). To use in making up your own mixture. Four lbs. postpaid up to 4th zone, \$.65; add \$.10 for each zone beyond 4th; 8 lbs. for \$1.20 postpaid up to the 4th zone; add \$.20 for each zone beyond 4th.

IMPORTED PRUNING SHEARS, 8½ inches. Double cutting blades make them especially desirable for dividing and trimming dahlia clumps. We have used these shears for years. Suitable for general pruning as well. Postpaid, \$4.00.



FORGED STEEL PRUNING SHEARS. Single cutter, 9 in., works very well for all dahlia work. Will take larger stalks than the double cutter type and stands up in sand and grit as well as any shear we have found. Postpaid, \$3.25.

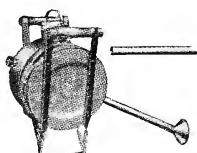
PYRETHRUM SOAP. A non-poisonous insecticide effective on all insect life and not injurious to animals or plants. Will not burn foliage or buds. A desirable spray for thrips, leaf-hoppers or aphids. According to reports this product gave very satisfactory results last season. Four ounces make 5 gallons of spray. Postpaid, including the 4th zone; 4 oz., \$.50; quart, \$1.75; gallon, \$6.00.

An effective, non-poisonous solution that is deadly to all insects. Will not burn, blight or stain the most tender foliage. Economical, used greatly diluted with water. Recommended to check all kinds of insects, such as caterpillars, Mexican bean beetle, cucumber beetle, thrips, aphids, rose slug, leaf hoppers, aster beetles, cut-worms, sow bugs, wire worms, root lice, Japanese beetle, white fly, dahlia beetles, etc. Dilute with 200 to 800 parts of water. Full instructions with every bottle. 1-oz. glass, \$.35; ¼-pt. tin, \$1.15; ½-pt. tin, \$1.90; 1-pt. tin, \$3.50; qt., \$6.25. Postpaid, including 4th zone.

HAND SPRAYER (Brass). Continuous spray, 1 quart size. Suitable for spraying pyrethrum and nicotine soap sprays, but not for sprays containing lime or solids. Postpaid, including 4th zone, \$2.15.

DAHLIADEL NICOTONE—A 3% nicotine dust. 5 lbs., \$1.50; 25 lbs., \$5.75 by express, collect. By parcel post, prepaid, including the fourth zone, 1 lb., \$.50; 2 lbs., \$.90; 5 lbs., \$1.75. For distant shipments, include additional postage.

DAHLIADEL DUSTING OUTFIT—Consisting of one pump-type duster with extension spout for dusting small plants without stooping, and 1 lb. Dahliadel Nicotine. Postpaid, including the fourth zone, \$2.10, with 2 lbs. of nicotine, \$2.50. For distant shipments, include additional postage.



PLATZ GREEN HAND DUSTER. Capacity 2 to 4 lbs. This duster is so light and easy to operate that it is a real pleasure to use it. Equipped with a 30-in. extension and spreader for dusting from above or below. Postpaid, including the 4th zone, \$6.25; add \$.10 for each zone beyond the 4th.

TREE LABELS. Painted wood labels, 5/8 x 3½ ins., copper wired. \$.65 per 100, \$4.00 per 1,000, postpaid.

PLANT LABELS. Painted wood, 5/8 x 10 ins. \$1.50 per 100, \$3.00 for 250, \$10.00 per 1,000, postpaid.

DAHLIA STAKES. White cedar pointed, 1 in. square, 4 ft. long, as they come from the saw. These stakes, not being real smooth, hold the twine from slipping with just one wrap, and are strong enough in ordinary culture. Bundle of 25, \$1.50; per 100, \$5.00, F. O. B. Vineland.

DAHLIA STAKES. White cedar pointed, 1¼ ins. square, 6 ft. long, planed on 2 sides. Suitable for gardens where dahlias are grown tall. Bundle of 25, \$3.00; per 100, \$10.00, F. O. B. Vineland. Five-foot stakes can be supplied at 10 per cent less than above price.

PEAT MOSS (Imported). granulated or horticultural grade. Very useful in dahlia culture, both in growing and storage. Large bale, 16 to 19 bus., \$3.00; ¼-size bale, 4 to 5 bus., \$1.50, F. O. B. Vineland.



INDEX

You will find some of your old friends listed in the index without page or folio. In most cases these varieties are so well known descriptions are omitted from the catalog.

ABBREVIATIONS USED IN INDEX.—A—Anemone. B—Ball. Coll—Collarette. C—Cactus, Incurved, Recurved or Straight. S-C—Semi-Cactus, formerly Hybrid-Cactus. FD—Formal Decorative, formerly Decorative. ID—Informal Decorative, formerly Hybrid Decorative. Min.—Miniature. P—Peony. Pom—Pompon. S—Single. O—Orchid Flowering.

We are growing a number of varieties of current year introduction and will be glad to quote on your list, but we prefer to grow most of these varieties a year before cataloging them.

NOTICE. The key letter just ahead of the price is our recommendation of the system to use in topping and disbudding for each variety listed. Drawings and explanation will be found on pages 32 and 33.

Page		Roots	Plants	Page		Roots	Plants
18	Achievement—ID	X \$10.00	\$5.00	45	El Dorado—FD	X	\$.75
56	Ada Finch—A	V .50		47	Eleanor Reed—FD	X	1.00
11	Adda Patterson—S-C	X 1.00	.50	50	Elite Glory—FD	Z	1.00
4	Aiko—S-C	X	5.00	45	Eliza Clark Bull—FD	X	.75
24	Alice Stellick—ID	X 10.00	5.00	41	Eliza London Shepard—ID	X	5.00
13	Alice Whittier—S-C	X 1.00	.50	10	Ella May—C	X	.50
13	A. Lincoln—S-C	X 2.50	1.25		Elsie Daniels—S-C	X	...
27	Altamont—ID	X 1.00	.50		Elsie Jane—FD	X	...
10	Ambassador—C	X	.50	15	Emma Marie—ID or S-C. W	X	.75
3	American Legion—S-C or ID			11	Fair Elaine—S-C	X	.50
8	American Triumph—C	X 2.50	1.25	51	Faith Garibaldi—FD	X	.75
	Amun Ra—FD	X	.50	25	F. A. Vendrell—ID	X	10.00
18	Andrea Ericson—ID	X 7.50	3.75		Flaming Meteor—ID	X	.75
10	Andreas Hofer—C	X .50			Floyd Gibbons—ID	X	10.00
20	Anna Marie—ID	X .75		41	Fordhook Emperor—ID	X	2.50
	Asbury Park—FD	X			Fordhook Erecta—FD	X	.50
57	Autumn Century—S	V .25		51	Fordhook Marvel—FD	X	2.50
48	Avalon—FD	X .50			Fordhook Victory—ID	Z	1.00
39	Aztec Glory—ID	X 2.00	1.00	18	Fort Monmouth—ID	X	2.50
40	Bagdad—ID	Z 7.50	3.75		Fort Washington—FD	X	.75
8	Ballet Girl—C	X .75		43	Fragrance—S	V	...
27	Barbara Redfern—ID	X 1.50	.75	57	Frau O. Bracht—S-C	X	3.00
	Big Chief—ID	X 2.50		11	Frazier—FD	X	3.00
46	Buckeye Bride—FD	X 4.00	2.00	47	F. T. D.—FD	X	.75
10	California Beauty—C	X .50			F. W. Fellows—C	Z	...
	Canada—P	X .35		57	Garnet Poinsettia—S	V	.50
43	Cardinalis—FD	X 5.00	2.50	56	Geant de Lyon—Coll.	V	...
52	Carl Owen—B	Z .50		3	Girl of Hillcrest—ID	X	10.00
48	Casper G. Ware—FD	Y .75	.50	46	Glory of Monmouth—FD	X	.50
11	C. B. Githens—S-C	X .50		10	Golden Sonne—C	X	.75
46	Champagne—FD	X .75		51	Gold Imperial—FD	X	5.00
45	Champoeog—FD	X		25	Good Night—ID	X	2.50
40	Chas. G. Reed—ID	X 4.00	2.00	21	Gov. Morgan F. Larson—ID	Z	5.00
	Chas. Stratton—ID	X .75		51	Grace—FD	W—X	2.50
	Chemar's Eureka—FD	X 2.50	1.25		Grace Curling—ID or S-C	X	1.25
28	Cigarette—S-C	X .50			Grace Ricards—FD	Z	2.00
14	City of New York—ID or S-C	X 2.50	1.25	5	Graf Zeppelin—FD	X	...
41	City of Trenton—ID	X 2.00	1.00	21	Grandola—ID	X	.75
28	Clansman—FD	X 1.50	.75	21	Harriet Hootor—ID	X	7.50
9	Cokkie Carlee—C	X 1.00	.50	47	Harry Mayer—FD	X	.50
20	Color Sergeant—ID	X 2.00	1.00		Hathor—ID	X	...
28	Cong. Wolverton—ID	X 5.00	2.50	10	Ian—C	X	.75
	Conquistador—S-C	Z 3.00	1.50	51	Ida Perkins—FD	X	.75
9	Conservatrix—C	X	1.50	23	Imperial Pink—ID	Z	10.00
19	Coquette—ID	X 2.00	1.00		Ivory—ID	X	4.00
54	Couronne—Min. FD	X	1.00	27	Jack O' Lantern—ID	X	1.00
16	Daddy Butler—ID or S-C	W .50		57	James Weller—S	V	...
57	Dahliael Century—S	V .25		29	Jane Cowl—ID	Z	.50
53	Dahliael Glory—P	X 1.00	.50	47	Jane Hall—FD	X	...
20	Derrick W. Hart—ID	W—X 3.00	1.50	52	Jayseedee—B	X	1.00
	Donna California—ID	X 5.00	2.50	41	J. D. Torbert—ID	X	5.00
57	Doris—S	V .35			Jean Chazot—C	X	.50
5	Doris Fellows—FD	X			Jean Hare—S-C	X	1.50
28	Dorothy Stone—ID	Z 3.50	1.75	3	Jean Keefer—ID	X	10.00
52	Draude—B	X .50			Jean Kerr—FD	X	.35
47	Dr. John Carman—FD	X 2.50	1.25	13	Jean Trimbee—S-C	Z	7.50
53	Drum Major—P	X .75		45	Jersey's Beacon—FD	X	.50
23	Dwight W. Morrow—ID	X 10.00	5.00	52	Jersey's Beacon Ball—B	W	.50
29	Eagle Rock Beauty—ID	X 1.50	.75	51	Jersey's Beauty—FD	W—X	.50
39	Eagle Rock Fantasy—ID	X—Z		29	Jersey's Daybreak—ID	X	2.00
	Eagle Rock Jewel—C	X 1.50	.75		Jersey's Fiancee—ID	X	...
14	Eagle Rock Wonder—ID or S-C	X 7.50	3.75		Jersey's Gem—FD	Z	...
15	Early Yellow—ID or S-C	X 1.50	.75		Jersey's Ideal—ID	X	.75
45	Eastern Star—FD	Z 1.00	.50	23	Jersey's Sovereign—ID	X	.50
17	Edegem—ID or S-C	X 1.50	.75	15	Jersey's Sweetheart—ID or S-C	W—X	...
13	Edna Ferber—S-C	X 1.50	.75				.75



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15	Josephine G—ID or S-C	X	5.00	49	Rising Sun—FD	X	2.50		
47	Judge Leon McCord—FD	X	5.00	17	Robt. E. Lee—ID or S-C	Y	5.00		
54	Judith—Min. P.	V	1.00	43	Robt. Scott—FD	X	.75		
11	Kalif—S-C	X	.50		Robt. Treat—FD	X	.75		
12	Karl Bonawitz—S-C	X	7.50	29	Rodman Wanamaker—ID	Z	1.50		
48	Katherine Cole—FD	X	3.00	47	Roman Eagle—FD	W	.75		
23	Kathleen Norris—ID	X	4.00	5	Rotary—ID	X	10.00		
47	Kemp's Lavender—FD	X	.75		Royal Velvet—S-C	X	2.00		
23	Kemp's Violet Wonder—ID	X	2.50	13	Rudy Vallee—S-C	X	5.00		
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15	La Roda—ID or S-C	X	3.00	1.50	41	Sanhican's Peach—ID	X	1.00	
9	Lilac Glory—C	X	2.00	1.00	41	Sanhican's Queen—ID	X	2.00	
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25	Mabel S. Douglas—ID	X	Z	5.00	57	Scarlet Century—S	V	.25	
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29	Martha Kemp—ID	X	1.50	.75	13	Sunkiss—S-C	X	.75	
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51	Mr. C. H. Dresselhuys—FD	W	.35		41	Uncle Tom—FD	X	.75	
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41	Mrs. Alfred B. Seal—ID	Z	5.00	2.50	24	Waldheim Sunshine—ID	Z	2.50	
29	Mrs. Eleanor Martin—ID	X	.75		43	Watching Sunrise—FD	X	2.00	
53	Mrs. F. A. C. Perrine—ID	X	.50		21	Watching Wonder—ID	X	5.00	
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5	Mrs. Joseph Hurley—ID	X	5.00	2.50	29	World's Best White—ID	X	.50	
29	Mrs. Kenyon—ID	X	2.50	1.25	49	Yellow Beauty—FD	X	2.50	
17	Mrs. Swift—ID or S-C	X	4.00	2.00		Yellow Wonder—ID	X	2.00	
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